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CRYSTAL

Pure White . . 7-inch Florets.  
11-15 Open. New Champion.

# THE GLADIOLUS FANCIER'S GUIDE BOOK

Copyright 1938

1939

HERBERT O. EVANS  
BEDFORD, OHIO





## INTRODUCTORY

**A** GAIN, this booklet is planned for you. It adopts your point of view. It gives you hitherto unpublished facts upon which to base your own conclusions. It is not cluttered up with fictitious values.

A small portion of the information in this booklet is repeated from last year. In such instances, the data is still so valuable that we cannot possibly leave it out.

Of course, all information concerning prize winnings, voting symposiums, newly recommended formulas for bulb disease and thrips prevention is brought right up-to-date.

## SYMPOSIUM RATINGS

This copyrighted booklet again contains the principal current Symposiums. This with the special permission of the Canadian Gladiolus Society and the New England Gladiolus Society, copyright owners.

## BEHIND US—EXPERIENCE

Eleven years of informative cataloging.

About five years each as Executive Chairman of the American Gladiolus Society and the Ohio State Gladiolus Society, with general duties of determining editorial policy, negotiating, drafting and executing show contracts, improving variety classification, devising scoring methods, now used with minor variations about the world.

Nine years of competitive exhibiting of blooms in A.G.S., Ohio, and other state and regional shows. Beaten but once on commercial display and consistently unbeatable for point accumulation in the three spike, competitive color classes. Usually Achievement Award for most points in the Commercial Division.

Eight years of importing the finest varieties offered overseas.

Never licked by the thrips, thanks to corrosive sublimate, ethylene dichloride and Rototox.

Member of practically every Gladiolus Society in the world with publications in English.

Thus we keep abreast of the times and it is small wonder that, as the Symposium lists change every couple years, we have already been cataloging almost all of them years before they attained their peak of popularity.

We take no special credit for growing a variety better than the other fellow. In fact, most of our show exhibiting amateur customers grow any variety they buy of us better than we. Rather, we win in the shows because we have the cream of the latest introductions from all parts of the world. Selection of the right ones for you to purchase is the ultimate aim of our experience.

Likewise, it is our aim to aid our customers, both amateur and commercial, in the saving of unnecessary expense and experimentation. Skill and care alone will not make plants yield rich and abundant flowers. The varieties must be inherently capable of it and the bulbs healthy and the plants insect pest free to permit their best performance. Printers' ink can do a lot but it cannot make a good variety out of a poor one.

## A WORD TO THE WISE

Disappointment can be minimized by leaving to the highly trained gladiolus specialist the experimentation and cash investment necessary to try out all the new offerings of the many hybridizers. Those who know the quality of competition in national, state and regional shows in the last few years have come to realize that inferior sorts rarely win. We list only those varieties currently winning first prize awards and, on occasion, a limited few new ones which we have grown and which, in our opinion, are about to take their place in the winning ranks. We have almost no errors to acknowledge.

"Has beens" and varieties that have been kicking around in catalogs for years without being able to win in current major shows are omitted. You do not have to sift them carefully from our offerings. We have tried to lead you out of the usual labyrinth of a listing of hundreds of varieties where it would be next to hopeless to differentiate the best from the commonplace. By our method of listing the latter are automatically sifted out.

We have no knowledge of the existence of any other gladiolus catalog in the world that even closely approaches so exclusive a list of prize-winners.

Also, it is well to leave to the federal, state and university entomologists, pathologists and to gladiolus specialists cooperating with them, the determination of best usages for the control of insect pests and bulb and plant diseases. Experimentation by others with poisons, poisonous gases and with insecticides, the component parts of which are not understood by the user, and with unapproved methods of fertilization, usually leads to trouble.

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1938 SYMPOSIUM RATINGS

(With special permission of the Canadian Gladiolus Society and the New England Gladiolus Society, copyright owners.)

The Canadian Gladiolus Society Symposium, with participation limited to about ninety ranking growers and amateurs, classifies about 600 leading varieties "A" for excellent, "B" good, "C" fair, "D" discard.

The New England Gladiolus Society Symposium (which may change in some respects as all returns are not yet in) is a popularity type of vote, regardless of color sections and is open to vote of some 5000 members. Commonly, popular vote symposiums are about two years behind the expert type in arriving to about the same conclusions. This is the first symposium of this type by the N.E.G.S.

The new faces in the C.G.S. list are in italics. You may notice we have been closely anticipating the symposiums in our offerings for many years past. Undoubtedly our customers know this. And we are also offering now quite a number of varieties you will find appearing in the next symposiums two years hence. The % of "A" votes is based on a minimum of 20% of the voters reporting on the particular variety. Three other varieties, namely Matterhorn, Amrita and Camellia, secured a 100% vote but with only 12 able to report on them.

| Canadian G. S. |                         |                | New England G. S. |                   |
|----------------|-------------------------|----------------|-------------------|-------------------|
| Rank           | Variety                 | % of "A" Votes | Rank              | Variety           |
| 1              | <i>Rewi Fallu</i>       | 100.00         | 1                 | Picardy           |
| 2              | Picardy                 | 97.30          | 2                 | Minuet            |
| 3              | Star of Bethlehem       | 95.36          | 3                 | Maid of Orleans   |
| 4              | <i>Beacon</i>           | 93.20          | 4                 | Commander Koehl   |
| 5              | <i>Southport</i>        | 89.44          | 5                 | Star of Bethlehem |
| 6              | Minuet                  | 89.28          | 6                 | Betty Nuthall     |
| 7              | <i>Blue Beauty</i>      | 86.26          | 7                 | Bagdad            |
| 8              | <i>Vagabond Prince</i>  | 86.24          | 8                 | Mother Machree    |
| 9              | <i>Allegro</i>          | 84.84          | 9                 | Pelegrina         |
| 10             | Rosemarie Pfitzer       | 84.15          | 10                | Mildred Louise    |
| 11             | Bagdad                  | 83.64          | 11                | Marmora           |
| 12             | <i>Jalna</i>            | 83.22          | 12                | Duna              |
| 13             | Commander Koehl         | 81.78          | 13                | King Arthur       |
| 14             | Tip Top                 | 81.51          | 14                | Wasaga            |
| 15             | Maid of Orleans         | 80.64          | 15                | Debonair          |
| 16             | <i>Isola Bella</i>      | 79.35          | 16                | Margaret Fulton   |
| 17             | Johann S. Bach          | 79.12          | 17                | Dr. F. E. Bennett |
| 18             | <i>Euides</i>           | 77.90          | 18                | Rosemarie Pfitzer |
| 19             | Mother Machree          | 77.20          | 19                | Vagabond Prince   |
| 20             | <i>Bit o' Heaven</i>    | 76.67          | 20                | Joh. S. Bach      |
| 21             | Golden Chimes           | 76.27          | 21                | Red Lory          |
| 22             | <i>Okarina</i>          | 75.00          | 22                | Golden Goddess    |
| 23             | <i>Zauberflote</i>      | 74.88          | 23                | Golden Chimes     |
| 24             | <i>Arabella</i>         | 74.00          | 24                | Mammoth White     |
| 25             | Charles Dickens         | 73.67          | 25                | Frank J. McCoy    |
| 26             | <i>Heiligtum</i>        | 71.45          | 26                | Mary Elizabeth    |
| 27             | <i>Sahara</i>           | 70.84          | 27                | Miss New Zealand  |
| 28             | Miss New Zealand        | 70.52          | 28                | Edith Robson      |
| 29             | <i>Gertrude Swenson</i> | 69.12          | 29                | Blue Admiral      |
| 30             | Red Lory                | 67.76          | 30                | Red Phipps        |
| 31             | <i>Ninth Symphony</i>   | 66.66          | 31                | Aflame            |
| 32             | Golden Goddess          | 66.36          | 32                | Phyllis McQuiston |
| 33             | Marmora                 | 66.15          | 33                | Salbach's Orchid  |
| 34             | Blue Admiral            | 64.38          | 34                | Smiling Maestro   |
| 35             | <i>Green Light</i>      | 64.00          | 35                | Bleeding Heart    |
| 36             | Betty Nuthall           | 63.96          | 36                | Golden Dream      |
| 37             | <i>Milford</i>          | 63.71          | 37                | Wurtemburgia      |
| 38             | Salbach's Orchid        | 63.44          | 38                | Tip Top           |
| 39             | <i>Rudolf Serkin</i>    | 62.55          | 39                | Beacon            |
| 40             | <i>Royal Gold</i>       | 59.94          | 40                | Milford           |
| 41             | Reverie                 | 59.52          | 41                | Albatros          |
| 42             | Guardsmen               | 59.40          | 42                | Giant Nymph       |
| 43             | Pirate                  | 59.20          | 43                | Bill Sowden       |
| 44             | <i>Max Reger</i>        | 58.48          | 44                | Dream o'Beauty    |
| 45             | <i>Irene</i>            | 56.61          | 45                | New Era           |
| 46             | <i>Mary Elizabeth</i>   | 56.00          | 46                | Brightside        |
| 47             | <i>Maunga</i>           | 55.86          | 47                | Euides            |
| 48             | Mrs. Anna Pfitzer       | 54.74          | 48                | Lotus             |
| 49             | <i>Takina</i>           | 54.68          | 49                | Rewi Fallu        |
| 50             | Duna                    | 54.60          | 50                | Takina            |



## TOP AND 2nd RATING VARIETIES IN ADOPTED COLOR CLASSES OF

## Canadian G. S.

|                            |                                      |
|----------------------------|--------------------------------------|
| White and Creamy W.....    | Star of Bethlehem<br>Maid of Orleans |
| Blush White.....           | Rosemarie Pfitzer<br>Camellia        |
| Light Yellow.....          | Golden Chimes<br>Primate             |
| Deep Yellow.....           | Golden Goddess<br>Gate of Heaven     |
| Orange to O. Y.....        | Bit o' Heaven<br>Amrita              |
| Light Salmon, Lt. Rose.... | Picardy<br>Miss New Zealand          |
| Sal. O.S. & Re. S.....     | Joh. S. Bach<br>Ninth Symphony       |
| Ro. Sal. & Sal. Ro.....    | Irene<br>Smiling Maestro             |
| Medium & Deep Rose.....    | Southport<br>Pirate                  |
| Scarlet & Light Red.....   | Tip Top<br>Red Lory                  |
| Red, Crimson & Dk. Red     | Rewi Fallu<br>Commander Koehl        |
| Maroon & Black Red.....    | Arabella<br>Moorish King             |
| Light Mauve, etc.....      | Minuet<br>Isola Bella                |
| Med. & Deep Mauve, etc.    | Gertrude Swenson<br>Takina           |
| Purple.....                | Charles Dickens<br>Paul Pfitzer      |
| Light Violet.....          | Blue Beauty<br>Allegro               |
| Med. & Dark Violet.....    | Blue Admiral<br>Rudolf Serkin        |
| Smoky, etc.....            | Bagdad<br>Jalna                      |
| Pk. ++ Cre. or Y.....      | Beacon<br>Betty Nuthall              |
| Lt. Colors + Dk. Blotch..  | Zauberflote<br>Bleeding Heart        |
| Any other color.....       | Vagabond Prince                      |

## New England G. S.

|                      |                                      |
|----------------------|--------------------------------------|
| White.....           | Maid of Orleans<br>Star of Bethlehem |
| Cream.....           | Mary Elizabeth<br>Euides             |
| Light Pink.....      | Rosemarie Pfitzer<br>Bleeding Heart  |
| Yellow.....          | Golden Goddess<br>Golden Chimes      |
| Buff.....            | Duna<br>Wasaga                       |
| Orange.....          | Betty Nuthall<br>Brightside          |
| Salmon Pink.....     | Picardy<br>Mildred Louise            |
| Deep Pink.....       | Frank J. McCoy<br>Margaret Fulton    |
| Rose Pink.....       | Salbach's Orchid                     |
| Rose & Ro. Red.....  | Red Lory<br>Beacon                   |
| Scarlet.....         | Dr. F. E. Bennett<br>Joh. S. Bach    |
| Red.....             | Commander Koehl<br>Red Phipps        |
| Dark Red.....        | Rewi Fallu                           |
| Lavender.....        | Minuet<br>King Arthur                |
| Purple.....          | Takina                               |
| Lt. Violet.....      | Milford<br>Ave Maria                 |
| Dk. Violet.....      | Pelegrina<br>Blue Admiral            |
| Smoky.....           | Bagdad<br>Mother Machree             |
| Any other color..... | Vagabond Prince                      |

Note that Matterhorn, though leading Star of Bethlehem and Maid of Orleans with 100% "A" votes, is omitted because it polled less than 20% of the total votes. Note also that the editor, C.G.S. Annual, '38, failed to stick to percentage figures and may revise the article, '39.

## GRAND CHAMPION BLOOMS

The Grand Champion Bloom of the Show is, ipso facto, a sweepstakes award to the best spike in the Exhibition, wherever found. A mere class calling for specific entry there of blooms, the best of which is to be labeled "Champion spike", is plain bunk and publicizing such a mere class winner as the "Grand Champion" is very misinforming.

Some (not many) hybridizers and catalogers are very loose in their use of the words "Winners," "Champions," etc. For your own protection, scrutinize these assertions closely and see if the winning is identified to time and place. An honest introducer of new varieties will be reasonably sure to specify rather than generalize or use language intended to deceive.

In recent years a few of the larger shows have provision for Com'l. Div. Champions in the Exh., Dec. and Sm. Dec. types, repeating the 3 champions in the Advanced Amateur Div. Topping off these, some shows make further provision for Grand Champion Bloom of the Show. Some shows, notably the Ohio and Mahoning, have provision for Grand Champion Seedling Bloom.

We search the world for winners. We disclose authentic Champions. If we have missed any, will hybridizers advise us to their advantage?

**Grand Champions** in major shows about the world inside the last eight years follow:

- Bagdad**—Quebec. G. S., '35, Yakima, '38.
- Betty Nuthall**—San Leandro, '31. Utah, '35.
- Blue Beauty**—Haarlem, '36.
- Canberra**—Wash., '34.
- Commander Koehl**—Wash., '32. East Bay, '35., Regina, '38.
- Coryphee**—Wash., '33.
- Crystal**—So. Australia G. S., '37.
- D. A. Hay**—Winnipeg, '32.
- Dazzler**—Ohio, '38.
- Del Ray**—Ill., '38.
- Fairy Tale**—Haarlem, '31.
- Frank J. McCoy**—A.G.S., '34; Ill., '35; Ohio, '35; N.E.G.S., '35, '36, '37; Metro (NYC), '36, C.G.S., Ames and Sioux City, '38.
- Heritage**—Wisc., '34, Grants Pass, '37.
- Joh. S. Bach**—Vancouver, '35, Wash., '37.
- Jubilee**—Ohio, '37.
- Lord Selkirk**—Minn., '38.
- Lucifer**—R.H.S., So. Australia, '35.
- Maid of Orleans**—Mah. G.S., '36.
- Margaret Fulton**—Pa., '36.
- Maunga**—Miramar, N. Z., '34.
- Mildred Louise**—Ohio, '33.
- Minuet**—Iowa G.S., '35, '37, Ind. G.S. '37.
- Miss New Zealand**—Marlborough H. S., '32, '33; Ballarat, '35; Dunedin, '35; N.Z.G. S. '36; Calgary (Aug. Show), '37; Minn., '37.

**Mother Machree**—Ohio, '32; Conn., '35; Ill., '36.

**Mr. Fred'k. Christ**—Ohio Fair, '32, Ballarat, '32.

**Mr. W. H. Phipps**—Ill., '32; N. E. G. S., '34; Grant's Pass, '36.

**Mrs. Robert Nash**—N.Z.G.S., '37.

**Mrs. G. G. Errey**—Glad. Sec. of R.H.S. of N.S.W., '37.

**Our Selection**—Ballarat (2nd show), '32; Malvern, '35; Cedar Rapids (Ia.), '37.

**Peggy Lou**—Mah. G.S., '37, '38, N.E.G.S. -Brockton, East Bay and Wellsville, '38.

**Picardy**—C. G. S., '32, '34, '35, '36; Calgary, '34, '35; A.G.S., '35, '36, '37; Empire S. G. S., (N. Y.), '35, '36; Port Arthur, '35; Minn., '35; Winnipeg, '33, '36; Conn., '36; Metro., Mid-South, Ill., Md., Pa., Sunnyside (Yakima Valley G. S.), Hamilton (Ont.) Dist., all '37, N.E.G.S., Wisc., Iowa, Cedar Rapids, 2nd Calgary, all '38.

**Pink Selection**—Tasmania (Feb.) '38.

**Pirate**—Utah, '38.

**Pititi**—Papanui, '34.

**Queen Mary**—Winnipeg, '34.

**Rapture**—Mid-So., '38.

**Recovery**—Blue Ridge (Md), Marion County (Ind.), '38.

**Red Lory**—Wash., '35; East Bay, '36; Auckland, G. S., '36.

**Red Phipps**—Century of Progress, '33.

**Rosemarie Pfitzer**—Winnipeg, '35; Woolston, '36; C. G. S., '37.

**Rosex**—2nd N.E.G.S.-Brockton, '38.

**St. Edward**—Kensington (So. Australia), '37.

**Star of Bethlehem**—Minn., '36.

**Sunnyside**—At six shows, Australia, '31; Ballarat, '35 (2nd show).

**Tip Top**—Peterboro (Ont.) Hort., '36, '37.

**Tanui**—Christchurch, '33.

## CHAMPION SEEDLING BLOOMS

Following seedling champions were not merely winners in their classes of certain types. They were champion seedlings, all types competing. Not many Prize Schedules make provision for this competition, it being most popular, apparently, in Ohio, Australia and New Zealand.

**Blue Wonder**—(E. Both) So. Australia G. S., '35. (Was also runner-up for open grand champion.)

**Caroline Werner Gannett** (Chamberlain)—E.S.G.S., '37.

**Col. Wm. Light** (E. Both)—So. Australia G. S., '36.

**Crystal** (E. Both)—So. Australia G.S., '37.

**Fairy Tale** (Pfitzer)—Haarlem, '31. (Was also grand champion.)

**Frostpink ornatus** (Evans)—Mahoning G. S., '33.



**Gertrude Swenson** (Swenson)—Ballarat, '28, '29. Victoria, '32.

**Grand Slam** (Salbach)—San Leandro, '32.

**Icelander**—(Evans)—Ohio, '37.

**Mary Elizabeth** (Dr. H. W. Stevens)—N. E. G. S., '30.

**Merry Widow** (Evans)—Mahoning G. S., '31.

**Milford** (Rides)—N.Z.G.S. (Canterbury) '34.

**New Era** (Ellis)—Ohio, '35.

**Pacemaker** (Evans)—Ohio-Mahoning, '34.

**Peggy Lou** (Wilson)—Pa. G. S., '37, Mah., '37.

**Rawhiti** (N. Z.)—N. Z. G. S. (Christchurch), '35.

**Rewi Fallu** (Fallu)—So. Australia G.S., '32.

**Tunia's Triumph** (E. Both)—So. Australia G. S., '34.

**Whero** (Burns)—Normandy, '33; Wau-ganui, N. Z., '33.

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In the two Champion lists above set forth, we have grown the following sorts (catalogued some of them for a time), Canberra, Cory-  
phee, Fairy Tale (Marchen), Heritage, Maunga, Sunnyside, Tanui and Grand Slam, but for one reason or another that we have considered sufficient, have discarded them.

### CASH DISCOUNTS

We have adopted an important change of policy with respect to discounts, which we anticipate will be to the advantage of our customers, especially to those placing their orders before February 15th. Please give this subject, explained on page 11 hereof, your close attention.

### GLADIOLUS SEED

Not for several years have we been willing to part with any of our gladiolus seed. This year we will share them with you. Growing seed offers unparalleled excitement to the glad fan. See page 13 hereof.

### AT THE SHOWS

It is difficult to appraise the attitude of the reader respecting reception of data relating our personal winnings at shows, or even that of our customers. We have about 140 recent letters from customers reporting substantial winnings with our bulbs at last year's major gladiolus shows. Undoubtedly there were many others. From year to year we have been shortening this discussion. Partly because interest centers chiefly upon what variety won rather than upon who won.

So, respecting 1938, suffice it to say that one of our good grower customers in the East, who buys quantities of large bulbs for show purposes from us, topped all others for sweepstakes in the spike-color class, open division, at three of the largest shows in the East, N.E.G.S., Conn. and Metro. A novice exhibitor over in Ontario purchased some heavy bulbs of two varieties from us, namely Frank J. McCoy and Mary Elizabeth. He took his blooms to the Canadian National Show and the best he could do with these varieties was "Grand Champion Bloom of the Show" with the first and "Most Beautiful Bloom in the Show" (a new sweepstakes award) with the second. Our redoubtable advanced amateur customer, Mrs. John Sherwin, Willoughby, Ohio, whose blooms have been a valuable educational asset to many A.G.S., Ohio and other shows for years, repeated in Ohio for Amateur Point Achievement Award and duplicated the achievement in the Ind. G.S. show, securing 24 blue ribbons in the 37 spike-color classes. Her entries in these shows were valuable because they consisted mainly of recently introduced varieties and enabled other growers, exhibitors and visitors (many for the first time) to see superlatively grown spikes of Aladdin, Peggy Lou, Miss New Zealand, Beacon, Vagabond Prince, Stapleford, Shirley Temple, Allegro, Milford, Mardi Gras, Joh. S. Bach, Sunset Cloud, Rudolph Serkin, Mason's Yellow, etc.

At the Indiana G. S. '38 show we won the Growers Achievement Trophy for most points in the First Division. We obtained 18 firsts in the 3 spike classes and all of our 2nds and 3rds were behind our other winning varieties.

We also won the Ind. Soc. Seedling Achievement Trophy with 30 out of a possible 36 points in the spike seedling classes, together with 3 Silver and 1 Bronze Ind. Soc. medals for best Exh. sdlg., 3 spike (83553) and 1 spike (7356), best Dec. sdlg., 3 spike (73567) and best Sm. Dec. sdlg., 3 spike. The quality of the seedlings mentioned by number indicates introduction as soon as sufficient stocks are available. The 83553 winner appeals to us to be a distinct advancement in the N.E.G.S. No. 10 orange salmon classification.

Among varieties winning a total of 30 blue ribbons for us at the Ind. show were many new ones, including Peggy Lou, Blue Wonder, Tunia's Triumph, Raysheen, Frostpink ornatus, Jersey Cream, Matterhorn, Dazzler, Leona, Mac Jr., 2nd, Oeganda, Bit o' Heaven.

At the Ohio show, held in conjunction with the state fair at Columbus, we won, as usual, the Commercial Display Sweepstakes Medal Award and the Grand Commercial Division Achievement Silver Medal Award. Our Picardy entry was Sectional Exh. Type Champion, winning the N.E.G.S. Silver Medal. Our Wasaga entry was Sectional Dec. Champion. Our spike of Dazzler, which we retained in our Commercial display, without



making a specific entry of it (all or nothing it had to be) was acclaimed Grand Champion Bloom of the Show by unanimous 1st vote of the judges, winning the American Home Achievement Medal and N.E.G.S. Purple Rosette. We also won the Akron Chamber of Commerce Trophy for points in the Special Classes division.

Among the varieties winning a total of 44 blue ribbons for us at the Ohio show were many new ones, including Dazzler, Tunia's Triumph, Peggy Lou, Raysheen, Isola Bella, Frostpink ornatus, Jersey Cream, Heiligtum, Green Light, New Era, Takina.

We visited the Empire State G.S. show at the state fair, Syracuse, arriving on the 2nd day of the show account date conflict with the Ohio. There we filled a large table with samples of recent introductions and a number of imported varieties not yet released.

We staged commercial gladiolus displays at the Wellsville and the Ohio Dahlia Shows, also one for the National Association of Gardeners' Convention, the last two at Cleveland.

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*"Let me congratulate you on the wonderful catalog you put out. I file each one as I consider each as truly a Guide Book." 9-6-'37. I.L.J., Sydney, N. S. W.*

*"We just received your splendid Fancier's Guide Book and wish to compliment you on its appearance and the information contained therein. I do not believe there is another catalog as valuable, published." 1-12-'38. D.A.B. Encinitas, Calif.*

*"I really thought I had seen some fine looking bulbs before, but for weight, youth and cleanliness yours surpassed anything I ever hoped to see—without exaggeration." 4-21-'38. R.E.C., Mt. Royal, Que.*

## ANNOUNCEMENT EXTRAORDINARY CONCERNING THE WORLD FAMOUS TUNIA EXHIBITION STRAIN

We are pleased to advise our customers that we have entered into an exclusive arrangement with E. Both, world famous hybridizer of Adelaide, South Australia, whereby we are permitted to purchase stocks of his seedlings intended for introduction, a year before public release. We thus have stocks, grown here two years, fully acclimated and under U. S. release a year before normally possible. Importers, growers and catalogers will readily see the several advantages of such opportunity of purchase.

However, this arrangement is not intended to preclude Mr. Both from selling directly to U. S. customers, as heretofore.

Mr. Both's varieties of recent years have proved sensational, particularly Tunia's Triumph and Tunia's Blue. Several varieties, including Amazu, Harry Periam and Winall are for regular U. S. '39 release.

Crystal and Excell we are offering a year before normal schedule. The color of Excell is supremely outstanding and we think will be greatly admired by all who see it without any exception.

When we offered Miss New Zealand a year ahead of schedule we asked our customers to believe our astounding description implicitly. They did and were then out in front with the largest gladiolus to that date. Once again we ask our customers to study carefully our description of Crystal, that there may be no regrets a few years hence. Many new whites are coming into the market, creamy whites, blush whites and blotched whites, mostly with medium to average sized florets, several good for exhibition purposes but of very questionable worth as commercials. To the best of our knowledge and belief, Crystal is the giant of them all by a wide margin, both as to individual floret, number open, bulk of flowerhead, size of plant and strength of stem. Even the bulbs and bulblets reflect its size and vigor. In our search to discover any quality to mar its perfection as a commercial cut flower, the only drawback (hardly to be termed a fault) we have found is that very small bulbs may not bloom. As this trait is noticed during period of acclimatization, it may not be a fixed trait. On the other hand, we know that old jumbo divisions, even when cut in half, make stupendous exhibition spikes. To top it all, Crystal is absolutely pure white, without markings. See illustration on front cover.

As a brief mention of more good things to come, may we suggest that you ask anyone who visited the Ind. G. S. '38 show what he thought of "Dazzler", or anyone who visited the Ohio show a week later, where our bloom of Dazzler was Grand Champion Bloom of the Show. When we cut this spike of Dazzler we told several visitors standing about "That spike will be the grand champion of the Ohio show." It was so stunning that we understand the judges eliminated all other spikes in the show on the first vote, resulting in the unusual situation of having no "runner up" or reserve champion.

Too late for the shows we bloomed 20 or more spikes of "St. Edward", another of Mr. Both's seedlings we will introduce in U. S. in 1940. These were from number 4 stock but practically all of them made blooms we considered of genuine grand championship caliber. If we bloom these St. Edward bulbs at show time this year it will surely take something worthy of considerable notice to beat them.



## PREVIEW OF OUR 1939 INTRODUCTIONS

For prices and further description consult general variety list.

**CRYSTAL (E. Both).** Pure, soft toned white without markings. Giant in height, giant florets on giant flowerhead. Securing the Grand Champion Bloom of the Show award at the South Australian Gladiolus Society show, '37, was no accidental flash in the pan for Crystal. Mr. Both brought 12 spikes along. They averaged 7 inch florets, ranged from 12 to 15 open florets and from 22 to 26 buds. All were arranged in double row placement, with excellent tapering to the tip. Entered in various classes Crystal was Grand Champion, as mentioned, another spike of Crystal was runner up or Reserve Champion. Three spikes of Crystal won 1st for best white seedlings, one spike of Crystal was Grand Champion Seedling (all colors and types), one spike assisted him in winning best vase of six seedlings (all different) and another in winning vase for Six Best Spikes in the Show. We have enough heavy young jumbos to make Crystal the greatest sensation of the U. S. and Canadian shows in 1939, if they are purchased by show exhibiting growers and amateurs. Even in the production of bulbs, Crystal is a champion performer. Number 5 bulbs produced so uniformly heavy spherical jumbos 2½-3 inch diameter, with an average of about 25-30 large, fat bulblets, that we were induced to photograph them. You will find a photograph of the flower on the front cover and of the jumbo bulbs on page 13.

**EXCELL (E. Both).** Here is beauty of color supreme. It was breathtaking to us when we first saw it in 1937. A clean, bright, strong rose pink with white line running down the mid rib of each petal except the lip petal which is clean white but surrounded by a thin edge of the rose pink. Mr. Both says it is a good commercial glad and its color alone would seem to be sufficient to surmount the only trouble we could find with it, namely, in late August we ran high winds of true gale proportions almost continuously for 10 days and we found a number of varieties about the fields (some never suspected before) that sort of blew the florets to such extent as to weaken their attachment to the stem. No trace of this in 1937, however, so we think it will take very heavy winds to shake the florets loose. We consider this variety the leading candidate for the new sweepstakes award "Most Beautiful Bloom in the Show". In Australia a bloom with less than 10 open commonly has little chance for sweepstakes award, yet Excell, with 7-8 open, twice won the "Champion Vase" award at the South Australia Glad. Soc. show, in 1936 and in 1937.

## PREVIEW OF OUR 1939 IMPORT RELEASES

**AMAZU (E. Both).** A light orange pink, decorative type commercial. Good size and about seven open. The color is good and the petals seem to have the soft radiance of a finely frosted surface.

**HARRY PERIAM (E. Both).** Medium tone of rosy salmon pink. Exhibition and commercial. Creamy white line along slightly creased mid ribs, prominent creamy white throat. The rosy salmon pink is lightly flecked with a deeper shade. A seedling parent of Excell with excellent attachment of the florets to the stem.

**HINDENBURG'S MEMORY (Pfizer).** This is Pfizer's own improvement on Commander Koehl, both in color, size and stem. They describe it deep scarlet red with buds velvety blood red. We think it is too deep to be described "deep scarlet red" and feel that it is well within the range of what we call red. At any rate, much deeper than Red Phipps which has been described as "spectrum red". In any event, the color is just about unsurpassable, the florets in the 6-7 inch range, the spike genuinely strong and tall, adding fine commercial quality to the best exhibition red we have ever seen. This is the highest priced item in our list this year but well worth the investment.

**MANAWATU (Australia).** An interesting light pink on the Coryphee order with most of the crookedness eliminated.

**RAYSHEEN (Australia).** This is a real find for a decorative, light blue commercial. It would be a great mistake to compare its modest price unfavorably as to its quality. Has a delicate shade of light blue, slightly feathered deeper with a small yellow stripe on the lower petal. A vigorous growing blue, none too common a combination. Very pleasing color, 7-8 open on tall, straight spikes.

**WALK-OVER (Pfizer).** Here is stiff competition for Hindenburg's Memory, and at more attractive price. Walk-Over is crimson red, deeper in the throat. Florets as large as saucers and just as flat are obtainable even from small sized bulbs. The color is both velvety and glistening, much brighter than that of Tip Top. Walkover is held in very high esteem by Holland growers and we would not be surprised if it ultimately tops Hindenburg's Memory in world esteem.

**WINALL (E. Both).** This smoky makes spikes reminiscent of Marmora, in deeper shades that run to a sort of bluish mauve with harmonizing deeper blotch. Exhibition qualities and commercial as well, if this unusual color turns out to be popular.





Heiligtum

*"I never before received twice the value of an order. Such fine bulbs, too." 6-22-'38. Mrs. C.S.W. Cossackie, N. Y.*

*"This is not the first time I have been astonished at your generosity. If you treat everybody in this manner, you will never become a millionaire. Thanks indeed," 6-1-'38. F.W.K., Dean, Tiffin, Ohio.*

*"I have heard of long counts, but never anything like this. Ordered 20 Magna Blanca, received 40—20 McCoy and received 35, Also six lots of extras. After 35 years of medical practice I have been dubbed a "benevolent fool"—think you must be something like myself. Anyway, many thanks for the very large young bulbs." 3-12-'38. Dr. F., Santa Monica, Calif.*

*"I wish to acknowledge with thanks receipt of the glad bulbs. I want to say that it has been my privilege to receive many very fine bulbs from various sources, but I believe those that I receive from you are about the highest quality I have ever bought. I have catered to quality for many years and have done a good deal of showing and have won many prizes and I feel I know good bulbs when I see them. 4-16-'38. J.F.J., Minneapolis, Minn.*

*"Must thank your guide book for my recent successes at the shows." W. H. S., Waldo, Wis.*

## SIZE OF BULB TO BUY

If economy be the aim, do not rely on small bulbs to give wholly satisfactory blooms. The small bulbs will all bloom but medium bulbs almost always give far better than "medium" sized spikes of the given variety. Our descriptions usually indicate whether or not the variety is an exceptionally fine producer of blooms from the smaller sizes.

A number of varieties either have come into sufficient world production to warrant low price for large bulbs or bloom so unsatisfactorily from medium size bulbs that, for the protection of our customer, we omit the smaller sizes from our pricing. Likely, we have them if you insist but we recommend only the sizes offered.

Commercially, bulbs are graded into 6 sizes. Size 6 is under  $\frac{1}{2}$  inch diameter and other sizes range up every  $\frac{1}{4}$  inch, the Number 1 bulb being  $1\frac{1}{2}$  inch up. Catalogs commonly offer bulbs as L (large) sizes 1 and 2) ( $1\frac{1}{4}$  inch up); M (medium) (sizes 3 and 4) ( $\frac{3}{4}$  to  $1\frac{1}{4}$  inch); S (small) (sizes 5 and 6) ( $\frac{1}{4}$  to  $\frac{3}{4}$  inch) and Blts (bulblets, the little hard shelled cormels which cling at the roots of the bulb).

For the most part we deliver number 1 for L, number 3 for M and Number 5 for S. Tiny bulblets are screened out and where they are priced per each they are selected as large as they run. Moreover, except on large quantity orders, we prefer to supply No. 2L for M rather than No. 4 and to supply No. 4M for S rather than No. 6. This applies particularly to early orders and to expensive item orders.

## YOUNG JUMBO OVERSIZE NO. 1.

These young jumbo bulbs are 2 inches diameter or over, mostly over and are first time arrived to large size, not more than 2 years growth from bulblet.

With up to four times the food bulk of the so-called large bulb, these oversize jumbos are most dependable for producing the magnificent show specimen blooms that capture the blue ribbons in the many, highly competitive gladiolus society shows. Almost invariably, the divisional champion spikes and the grand champion spike of the show are produced from young jumbos. The reason is simple enough to anyone who gives the subject a moment's attention. The youthful vigor of the heavy bulb, supplying food bulk and juices with greater volume and over a longer period of the development of the new bulb, creates a stronger and larger plant, with corresponding maximum number of buds, the largest possible flower spike and, incidentally, gives the greatest possible control over the blooming date. In Canada and other northern sections where a short blooming season finds late blooming varieties often cut down by frost before the sluggish growth



of an older or smaller bulb can get around to produce the flower spike, these young jumbo oversize number 1 bulbs are in great demand. They are in like demand in all other sections by the advanced amateurs willing to pay but a very slight premium for just that added performance that makes for the difference between blue ribbons and second prizes.

However, the young jumbo oversize No. 1 L bulbs present an additional problem. Being around four times as heavy as No. 2 L bulbs, the aggregate cost of additional postage it would take to send this bumper crop out prepaid would likely put our business finances "in the red". But, if the many individual customers could obtain these young jumbos at our going price of L bulbs merely by taking them on a transportation collect basis, we believe the only other question the customer will ask is "Am I in time to get the jumbos?" So, while they last, order your young jumbos at the catalog rate for L bulbs but F.O.B. shipping point. If your order includes other items at the prepaid prices, we will send the entire order F.O.B., adding bulbs of the varieties ordered to a value in excess of their proportionate share of the delivery cost. We will send them express collect where the express address is furnished otherwise by parcel post, C.O.D. for the postage. Please do not supply postage, as postage adjustments are tedious.

### F. O. B. PURCHASES

In fact, whatever size bulbs you purchase, if you wish to have them sent transportation collect, we will be glad to add to the count on the varieties ordered to such an extent that the value of such extra count will safely exceed the transportation cost. We will not guarantee to match the count equivalent specifically offered in some F.O.B. catalog lists partly because we understand the quality of our own bulbs and partly because we are firmly intrenched with our idea that sample lots of varieties newer and/or better than those ordered are more beneficial to the buyer and we know the bulk of our customers like it. So, after the extra count mentioned is made, our generosity with extras will follow.

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*"While at the Customs last spring, one of the Customs men showed me some of your heavy, young jumbo bulbs. They were extra good bulbs and if your stock is all like those I want 50 each of the following 14 sorts" etc. 11-22-37. T. F., Winnipeg, Manitoba.*

*Sequel. "Made 7 entries at Minn. show, got 6 firsts, (3 were in "Court of Honor") and 1 second. Also collected 9 firsts, 6 seconds and 2 thirds here at Winnipeg, largely with your fine, heavy bulbs." 10-1-'38. T. F., Winnipeg, Manitoba.*

*"Your heavy young bulbs did more than their share in winning the Amateur Point Achievement for me. And the C.G.S. annual you so kindly secured for me was fine and their symposium a great help in deciding what varieties to grow." 11-21-'38. M. B., Chelsea, Ia.*

### BARGAIN BULBS

A grower-cataloger of bulbs has certain inescapable costs: planting stock, use of land, its preparation, planting, cultivating, digging, hauling, curing, cleaning, grading, storage quarters, fumigating or other processes to combat insects and bulb diseases, advertising of one form or another, catalogs, postage, packing and shipping. There may be additional items of overhead such as clerical, irrigation, spraying, etc.

Bargain bulbs are made possible by skimping somewhere along the line, almost inevitably reflected in the quality of the flowers they produce.

### PRICES

We try to quote prices at once as low as those of other reputable gladiolus specialists, and yet take all known precautions to supply healthy and pest free bulbs.

For the most part we price L, M and S bulbs at the commonly asked prices for No. 2, 4 and 6 bulbs but we deliver, as long as our stocks last, mostly No. 1, 3 and 5, which gives you greater blooming value, particularly when buying the M and S sizes.

Cash orders entitle the buyer to instant segregation and protection of their stock until proper time for delivery.

Our practice of overcounting and/or inclusion of samples equal or superior to sorts purchased, and of oversizing the smaller sizes when stocks permit, never fails to more than equalize any price fluctuations that may develop. A grower is known by the customers he keeps.

### WHOLESALE PRICES

Bulbs and bulblets priced only per each are mainly new and scarce sorts and not yet commonly priced lower than the dozen rate price at wholesale. On such items, where stocks permit, to legitimate commercial growers, we will add as much additional stock as circumstances warrant. Particularly liberal to catalogers. On stocks offered per 100, the newer sorts are as low as we can quote them, considering our quality bulbs and our like promise to be as liberal as circumstances warrant. The more common ones, offered per 1000 by many growers, unless you demand our quality bulbs under above terms, these you will please order elsewhere.

However, we are prepared to submit wholesale quotations to parties legitimately entitled to such on the items Peggy Lou, Jersey Cream, Tunia's Blue, Shirley Temple, Frostpink ornatus, Pacemaker, Leona and possibly others.

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*"After seeing your exhibit at the Great Lakes Exposition here in Cleveland, I have scrapped all the bulbs I had and herewith my order to replace them with these better varieties." 3-8-'37. B. A. F. (Wholesale Florist) Cleveland, Ohio.*



CASH DISCOUNTS

Cash discounts are applicable only to orders accompanied by cash in full.  
Upon orders of \$5.00 up—10% but if received before Feb. 15th—20%  
Upon orders of \$20.00 up—15% but if received before Feb. 15th—25%

Orders of \$25.00 up will receive free a \$2.00 society membership, choice of Canadian Gladiolus Society or New England Gladiolus Society—see page.

Heretofore, we have granted extra bulbs approximating the above cash discounts. However, we shall still continue, to some extent, to supply extras by overcount, oversizing or by varieties other than those ordered. (See space on order sheet to designate your wishes.) The reason for the February 15th time limit on the extra discount is this: For some years our orders have come piling in to a peak around the middle of the bulb delivery season, utterly swamping us and in some instances causing regrettable delay even on rush orders. Early orders permit a better spread of the delivery and office work. We must alter this situation, even if it costs us substantial money.

If your inquiry for catalog comes too late to get the special before—Feb. 15th discount, please do not ask for it as the reason for its existence has terminated. We send catalogs 2 years to inquirers, longer to customers of course, so you can be in plenty time another year.

These discounts do not apply to Wholesale Quotations or to current, 1939 Introductions, which are priced (as is common in the gladiolus industry) Net, or to Gladiolus Seed. They do apply to current Releases, however.

Our dozen and one-half dozen lot pricing (10 and 5 times each rate, respectively) is not applicable to current Introductions, except to commercial growers and catalogers, to whom this allowance constitutes a 16-2/3% discount.

TERMS OF SALE

Cash with order.

Delivery prepaid in U. S. Gladiolus shipments in March and April, or soon as possible on orders arriving thereafter.

Replacement or refund purchase price any bulb, root, plant or seed that does not prove true to name or does not arrive in condition herein represented. Bulblet 'germination is not guaranteed.

No substitutions will be made.

Orders received until planting but subject to stock being unsold. To get proper propagation of new sorts, it does not pay us to hold for further sale bulbs and blts priced only per each beyond May 1st. Order early. Our selling season is very short.

Delivery prepaid to Canada and other countries in the Postal Union, except that purchases at 100 rate prices should add at rate 50c per 100 for Large size and 20c per 100 for Medium sized bulbs; other sizes prepaid. Canadian purchasers must enclose with order the Mailing Label secured from the

Secretary of Destructive Insect & Pest Act Advisory Board, Dept. of Agric., Ottawa, Ont.

If a bulk of bulbs is ordered likely to exceed 15 pounds (about 150 large bulbs), it is desirable that Canadian customers apply for permit for entry by express, notifying us of your express address.

If the Canadian customer wishes Oversize Jumbos or to purchase generally on the F.O.B. plan, kindly apply for permit for entry by express. No foreign F.O.B. service by mail.

Foreign remittances may be made payable to our order direct or at Central National Bank of Cleveland, Ohio, by International Money Order or New York Bank Draft payable in U. S. dollars.

| BULBS                             | Priced per each.    |
|-----------------------------------|---------------------|
|                                   | 12 sold at 10 rate. |
|                                   | 6 at 5 rate.        |
|                                   | 25 at 100 rate.     |
| Blts. Any Amount at Rate Offered. |                     |

"Received the order of bulbs, and what fine healthy bulbs they are. And how liberal the supply of extras. All I can say is accept my heartfelt thanks." 4-21-'37. Rev. W. J. S., Dover Center, O.

"I think your practice of including sample corms of several varieties not ordered is good as it gives the grower a chance to try them out and keeps his interest in the newer sorts very much alive." 4-9-'37. E. G. L., Worthington, Pa.

"May I take this belated opportunity to thank you for the many extras which you so kindly included in our order of last spring. We won three awards at the Metro. Glad Show. Our glads are greatly admired by all." 8-16-'37. Sister M. A., Maryknoll, N. Y.

"Everything I bought from you has been top notch and the glads' you sent me gratis have been worth what I paid for the others." 7-6-'37. Prof. E. M. S., Sacramento, Cal.

## OUR KEY SYSTEM A GREAT AID TO SELECTION

Varieties are grouped by color classification for your convenience of comparison and selection.

Varieties are critically described. Naturally, in a list such as this, consequential faults are few, nevertheless, attention is called to them. Show dates and references are to *first prizes* only. Room to mention but few. Symposium ratings refer only to those last published.

For eleven years our variety descriptions have been praised generously, for the accurate visualization of the size of individual floret, the number open at one time, the total bud length of the flower spike, the prominence of markings, etc., made possible by the use of stars, daggers and other hieroglyphics.

We will tell you the size florets to expect, a \* indicating large florets 4½ to 5½ inches diameter, \*\* indicating 5½ to 6 inches and \*\*\* indicating extreme size 6 to 8 inches.

We explain the relative quantity of marking, + indicating with *obvious* markings, i.e., so evident as to arrest attention and — indicating without *obvious* marking.

We do not list varieties incapable of holding five florets open at one time. There are thousands of such varieties. We employ † to indicate many open (6-8) and †† to indicate an extreme number (9-16). If the total of open florets and buds make an unusually long spike, we indicate with a double dagger ‡ (15-18) and extreme ‡‡ (19-30).

We furnish the approximate blooming dates of varieties in this locality, checked to the best of our ability from experience of many years. Number after name indicates days from planting to blooming of large size bulb (L). Medium size (M) usually seven to ten days later. Dates not guaranteed since subject to change by excessive heat, moisture, drought, differing soil fertility and other conditions.

**Abbreviations:** L large bulb 1¼ in. up. M medium size bulb ¾-1¼. S small bulb ⅜-¾. Blts. bulblets, Exh., Exhibition Type Dec., Decorative Type. Sm. Dec., Small Decorative Type. A. G. S., American Gladiolus Society. Ohio, Ohio Gladiolus Society. Mah., Mahoning Gladiolus Society. C. G. S. (Canadian). B. G. S. (British). E. Bay (California G. S.). San Leandro (The largest flower show on western coast). A. M., Award of Merit. F. C. C., First Class Certificate. (Am), Amateur.

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Ave Maria, Light Violet

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Southport, Rose Pink  
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Takina, Purple  
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Wasaga, Buff  
Whero, Red  
Winall, Smoky

Zuni, Smoky



GROW SOME GLADIOLUS SEED

All glad fans should try some gladiolus seed. Most advanced amateurs already do attempt some hybridizing with their newest varieties or most favored colors. Gladiolus seed broadcast or planted thickly in close rows, covered about 3/4 inch, kept on moist side and with at least partial shade, commonly produces bulbs 1/2 to 3/4 inches diameter the first crop. Most of these bloom the second year and selections may be made on color values, the bulb selected and its bulblets thereafter grown under number pending full performance from a large bulb.

All modern varieties were so produced, either from field collected or hand hybridized seed. We employed an expert hybridizer who made such crosses as we specified. In all cases we record the seed parent and in most cases the pollen parent. In 1938 we used for pollen parents, exclusively, Allegro, Black Opal, Crystal, Dazzler, Frostpink ornatus, Hindenburg's Memory, Matterhorn, Peggy Lou, Pfitzer's Erfolg, Rewi Fallu, Shirley Temple, St. Edward, Tunia's Triumph, Tunia's Blue and Walkover.

We can supply limited quantities of seed crosses from at least four or five of the above named varieties on any of the seed parents listed below, but to detail them here would take several pages. For instance, if you select Tunia's Triumph as a seed parent, you may suggest several possible pollen parents from the above list and likely we will have at least one of them crossed on the seed parent selected. If not, we likely have a pollen parent in the color chosen and will thus be able either exactly or closely match your wishes.

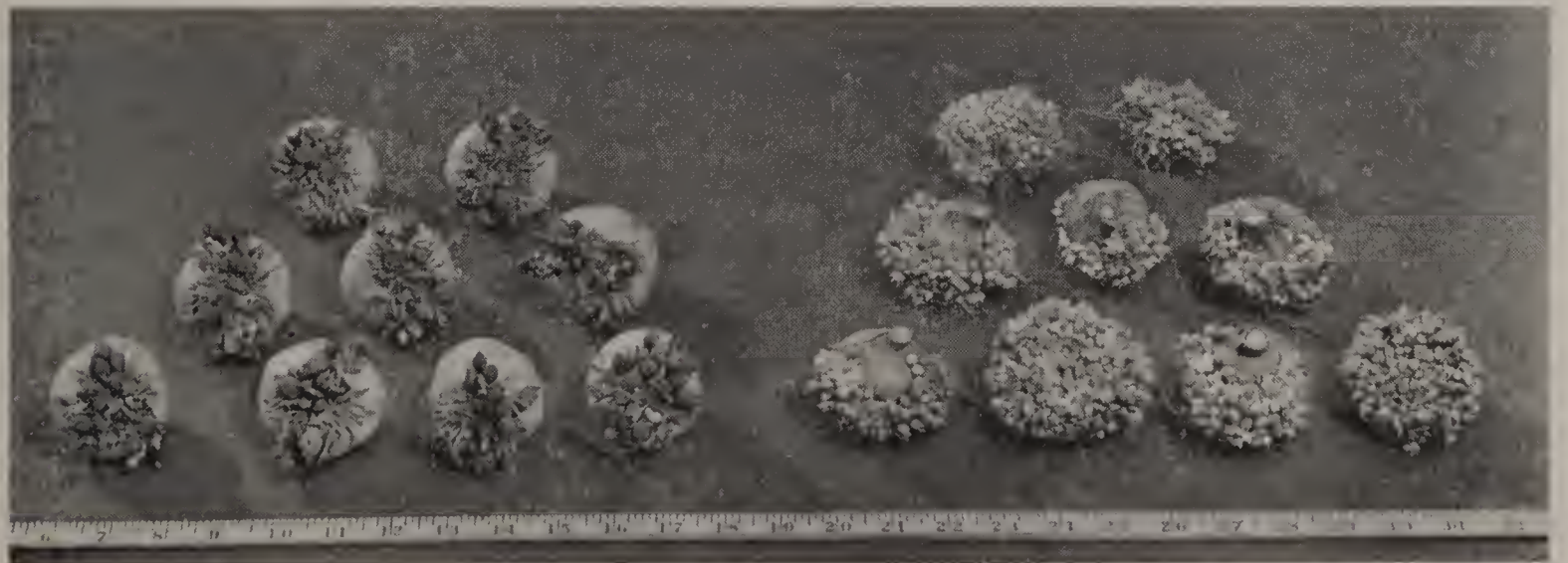
With about the most exclusive collection of "world beaters" to be found in the U. S., we have excellent opportunity to produce intriguing crosses, which in turn should rather consistently produce seedlings above the average run of good standard varieties in each color class. They do for us. They should for you. The only trouble is that we are as likely as not to part with some outstanding sorts worthy of introduction as a named variety. That may be your luck. If you grow such from our seed we should like first opportunity to introduce them for you.

No two seeds, even from the same cross and pod, produce flowers just alike, though they are likely to favor parent characteristics. In most instances, the pollen parent is newer and much more valuable than the seed parent, so the following method of pricing is reasonable. Try your luck and skill in selection of parents. Depending on stocks available we will try to be very liberal.

**How to order.** Please do not ask for more than 10 to 20 seeds of a given cross. We will sell the seeds each at one third the list price of one bulblet of the seed parent, but not less than 2c each and minimum sale of 20c per cross. If the seed parent chosen is not cataloged, the seed of such seed parent will be 5c each. Seed prices are Net, no discounts. Canadian and other foreign customers do not need to secure a permit to import seeds.

Seed parents available follow:

|                     |                |                   |                 |
|---------------------|----------------|-------------------|-----------------|
| Allegro             | Icelander      | Millie Parks      | Shirley Temple  |
| Beacon              | Josef Haydn    | Miss America      | Stapleford      |
| Blue Beauty         | Mac Jr. 2nd    | Miss New Zealand  | Sunset Cloud    |
| Blue Wonder         | Mardi Gras     | Oeganda           | Takina          |
| Excell              | Margaret Price | Pink Selection    | Tunia's Blue    |
| Frostpink ornatus   | Matterhorn     | Peggy Lou         | Tunia's Triumph |
| Heiligtum           | Merry Widow    | Rosemarie Pfitzer | Vagabond Prince |
| Hindenburg's Memory | Milford        | Rosa van Lima     | Vela            |



CRYSTAL

PEGGY LOU

(both produced from No. 5 bulbs)





Highland Chief  
(from medium bulb)

*"Have had splendid results from your bulbs and have concluded that bulbs coming from your locality are better acclimated for us than those from the west. Anyway, your bulbs seem to do better for me and your recommendations stand up better for our growing conditions." 2-21-'37. B. F. P., Roanoke, Va.*

## LAVENDER

**GERTRUDE SWENSON 98** —†††† Exh. An unusual color. Might be called a mauve shaded lavender, feathered white and a white throat. 12 to 15 four inch or larger florets open at once are commonly obtainable. Tall spikes, long flowerheads. Had 4 show championships in Australia by 1932. N.E.G.S. and Ohio, '35. Most open, A.G.S. '36. Winnipeg, '36. (Mrs. Pease) Ill., '36. (Am) N.E.G.S., '37. Sioux City, '38. Most open, Conn., '38. Each, L.15 M.10 S.05 Blts (100,.30).

**HIGHLAND CHIEF** (Mair-Barber) 90 \*\* —††† Exh. Depth of lavender approaching that of King Arthur. Makes immense exhibition spikes with up to ten very large, round, nicely waved florets open at one time. Each, L\$1.50 M\$1.00 S.75 Blts .15

**JUBILEE 95 days** \*\*\*—††† Exh. Clear lavender. Florets easily up to 7½ inches. Substance insufficient for commercial use but, bloomed in moderate weather, the results can be astounding. Late May planting for Sept. bloom is suggested. If you are looking through this list for the most bloom for the least money, here it is. Often the largest flower in the show. (Twice for us). Largest floret, Ohio, '35. 1st, (Am.) and largest floret, A.G.S., '36. Largest floret, Ohio, 1st, A.G.S., Pa., Ia. and Ames (Ia.), and Grand Champion bloom of the Show Ohio, all '37. Ames, Sioux City and Cedar Rapids, '38. L.08 (100,\$5.00) Blts (100,.25)

*"This order for 50 Jubilee comes from the sample you sent me last year. It is immense." 11-18-'37. C. F. B. Ludlow, Vt.*

**KING ARTHUR 85** \*\*—† Dec. Very deep toned lavender. Only 4-5 open at one time. Has large, ruffled florets with crease thru center of each petal. Bloom form and color much admired by many. (Am.) Ohio, '35. N.E.G.S., '36. E. Bay, Pa., Sioux City and Cedar Rapids, '38. L.06 (100,4.00) S.02(100,1.50) Blts (100,.20)

**LAVENDER DELIGHT 90** \*—††† Dec. Deeper and more brilliant than Minuet. Excellent blooms from the smaller sizes. Our 1st, A.G.S., '33. A.G.S., '37. Mich., '38. L.07(100,4.50) M.04(100,2.50) S.02 (100,1.25) Blts (100,.20)

**MINUET 98** \*—††† Exh. Clear, blue cast lavender. One of Ohio's outstanding originations. Champion of Show, Iowa '35. E.S.G.S., Grants Pass, (Dr. Pease)

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.



Ill., Mich., N.E.G.S., and A.G.S., all '36 A.G.S., (Mrs. J. Sherwin) C.G.S., E.S.G.S., Conn., N.E.G.S., Metro., Ohio, Mich., Minn. and Grand Champion at both Ind. and Ia., all '37 and rather impressive. Now 2nd best glad, all types and colors, N.E.G.S. and 6th C.G.S. Symposiums and tops the color class in both. C.G.S., Winnipeg, Pa., Ames, Sioux City, Cedar Rapids, Mah., E.S.G.S., and our 1sts at Ind. and Ohio, all '38. L.06(100,4.00) M.04(100,2.50) Blts(100,.20).

## WHITE

**CARRARA** 90 —†† Dec. Medium small florets of purest white. Florets open wide, 7-8 at once, well spaced on a strong but wiry stem. A German variety with good commercial qualities, making fine spikes from the smaller sizes. A.M., Haarlem. L.10 M.06 S.03(100,1.75) Blts (100,.40)

**CRYSTAL (E. Both)** 90 \*\*\*—†††† Exh. and Commercial giant of giants. Pure white without any marking. Florets  $6\frac{1}{2}$ - $7\frac{1}{2}$  inches. 11-16 open (has held several more). Florets open wide and flat, have heavy substance and open up the stem very quickly. Stem is exceptionally wiry and strong. Foliage is abundant and very wide. Makes exceptionally fine looking bulbs and a fairly good quantity of large bulblets that germinate easily and grow well. Not a good bloomer from the smaller sizes but makes up for that plenty from large bulbs, be they young, old or even old divisions. We understand some crosses between Crystal and Tunia's Triumph are producing some wonderful pinks. 12 spikes variously entered at So. Australia G.S. Nov., '37, won in 3 Best White Seedlings, in 6 Best Spikes in the Show (each different), in Best 6 Seedlings, one was Grand Champion Seedling, another was Grand Champion Bloom of the Show. Still another was runner up or Reserve Champion. The Grand Champion spike scored 90, which, we understand, is the highest rating ever given a Grand Champion in any Australian Glad. show. We expect Crystal and Peggy Lou (our introduction of last year) to be the twin sensation in the gladiolus industry in 1939. Watch their smoke in the shows. See illustration of spike of Crystal on front cover and another of bulbs of Crystal and Peggy Lou, average production from number 5 bulbs on this page. This is the year to buy stocks of Crystal, a year before normal release.

Each L \$5.00 M 4.00 S 3.00 Blt .60 These prices are strictly net, no discounts, except that the commercial grower (only) may have the advantage of dozen and half dozen lot pricing, which constitutes a discount of 16-2/3%.

**GREEN LIGHT** (Grunes Licht) 95 \*\*—†† Exh. Large, well formed and slightly ruffled florets of milky white, overlaid by a peculiar greenish gloss. New Pfitzer variety. Already holds an A.M., Haarlem, '35 and a 1st, B.G.S. '35. We broke the ice for this one, in U. S., winning with 3 beautiful spikes, A.G.S., '37. A difficult class for any variety to win but we took a 1st, Ohio, '38. L.50 M.35 S.20 Blts .04

**HEILIGTUM** 85 \*\*—††† Exh. Alabaster white with greenish throat. Florets of fine form and large size. 7-9 open, 20 buds, tall, strong spike. A.M. Haarlem. Another new Pfitzer variety. The variety will hold more open than shown, when grown from large bulbs. See illustration. B.G.S., '36. We are first to win with it here, Ohio, '38. L.50 M.35 S.20 Blts .02

**HELEN WILLS** 90 \*—†† Dec. Clean, large white, shading to soft canary on lower petals. Ideal cut flower habits. Tall, straight, impervious to heat. Has been very popular with our customers for years. Ohio-Mah., '34, Ohio, '35. A.G.S. '36. E.S.G.S., Minn., and Iowa, '37. Sioux City, '38. L.06(100,4.00) Blts (100,.15)

**MAID OF ORLEANS** 84 \*—†† Dec. Milky white, light cream throat. First class cut flower habits. A.M., British G.S., F.C.C., Haarlem. Dependable sort, of which you cannot grow too much. Only Picardy and Minuet leads it in the N.E.G.S. Symposium but it is at the top in its color class. Five Awards of Merit abroad. Grand Champion, Mah., '36. Sectional champ frequently, as at Ames, '38. East Bay, Cedar Rapids, Sioux City, Pa., '38. L.06(100,4.00) Blts (100,.15)

**MAMMOTH WHITE** 94 \*\*\*—† Exh. Clear white. Is losing ground as the new ones become better known. Disbud to one eye for competitive specimens and it is hard to beat. C.G.S., E. Bay, Yakima, Ia., Calgary, Mich. and E.S.G.S., '37. E. Bay, Cedar Rapids, Pa., E.S.G.S. and our 1st, Ohio, '38. L.06(100,4.00) Blts (100,.20)

**MATTERHORN** 94 \*\*\*—††† Exh. Pure white, slight cream in throat. Buds have a greenish cast. This variety sounds the knell for Mammoth White, for it has similar round florets of about same or larger size, a bit closer to pure white, flowerheads as big, substance and strength of spike beyond comparison. Good propagator and has every cut flower quality we can think of. A Pfitzer variety. Matterhorn just missed tying for 1st, all colors, C.G.S. symp. It received 100% "A" votes but less than 20% of the voters were able to report on it. A.M., Haarlem, '35. B.G.S., '36. We register the first win in U. S. at Ind., '38. L \$1.60 S .75 Blts .20



**POLAR ICE 70 \***—†† Dec. Pure White. Extraordinary forcing qualities. Our best "basket other than floor," Ohio, '35. We displayed two black vases, 12 spikes each, from number 4 M bulbs bloomed in 60 days at A.G.S., '35, winning also for us in Dec. spike class, A.G.S., '35. (Am) C.G.S., '36. B.G.S., '37. Our 1st, Ind., '38. L.06 (100,4.50) M.04(100,2.75) S.02(100,1.50) Blts (100,.25)

**SEEDLING No. 62922.** Sm. Dec. Commercial. 65 days. White without marking. Much whiter than the variety White Butterfly, possibly taller and more open, as well. Small florets, 2-3 inches, slightly hooded, well spaced, 5-8 open, limber but wiry stem. Easy grower, fast propagator, blooms exceptionally well from smaller sizes. Considerable show background already. Ohio, '34, '35, '36. A.G.S., '35, '36. Md. G.S. Trial Grounds '37 "Vote of Commendation", coupled with language "This seedling is recommended as an improvement on other available small decorative white varieties." At Ohio, '38 it won in Sm. Dec. 1 spike, 3 spike and basket classes. Suggest a name. Sold only as follows: Lot units of 1L 2M, 4S for \$1. Blts, any amt. at rate \$3. per 100. These Prices are Net, no discounts.

**STAR OF BETHLEHEM 80 \*\*\***—††† Exh. Pure snow white with tinge of cream in throat. 6-8 enormous florets open at once, loosely but well arranged on very long, wiry stems. Such size and earliness uncommon in any color. See illustration and try to visualize this immense spike on a scale of lower floret to exceed 6 inches. Buds like candlesticks. Dropped slightly in the new C.G.S. symp., now 3rd (nosed out by Rewi Fallu and Picardy) but still at top of the color class. Washing out our long list of awards and starting anew: E. Bay, Mich., Mah., E.S.G.S., Conn., N.E.G.S., C.G.S. and our 1st Ind., '38. Now at popular prices. L.10(100,7.50) M.06(100,4.50) S.03(100,2.50) Blts (100,-.50)

"The "Star of Bethlehem," which you sent me complimentary, had the most beautiful spike I ever saw in a white "glad." Eleven florets open; the lower ones seven inches across and the upper ones four and a half and in perfect placement and tapering beautifully." 7-6-'37., Prof. E. M. S., Sacramento, Calif.

## CREAM

**EUIDES 95** —††† Exh. A dainty, ivory whits with cream throat and a lilac pink edge. Effect, blush white, Makes good spikes 8-10 open. F.C.C. Ballarat, '35. A.M., N.Z.G.S., '36. N.E.G.S., '37 Cedar Rapids, Yakima and Winnipeg, '38. L.30 M.20 S.15 Blts .03

**JERSEY CREAM 78 \***—†† Dec. New, 1936. Aptly named. Smooth, rich, deep cream. The only deep cream with perfect cut flower habits. Florets average 5 inches, 8 or more open, 16-18 bud, 50 inches tall. Good propagator and makes exceptionally fine blooms from M and S bulbs. Substance excellent. Cut flower blooms well to the tip. These traits, coupled with the unusual color value and beautifully decorative form make the florists' dream of a clear, deep cream, usable in all stages of bulb growth, come true. In several years of growing we have been unable to discover any faults to mar this wonderful record. Fine reports from far and wide. Wisc. '37, Blue Ridge, '38. Our 1st at both Ohio and Ind., '38. L.15(100,10.00) M.10(100,6.00) S.05(100,3.00) Blts(100,1.00)

"Jersey Cream. Bloomed 87 days, 49 inches tall, straight, 16 bud, 7 open, 4½ inch florets, facing excellent, spacing and texture same. Type both Com'l. Exh. and Dec. Healthy foliage. Color, rich cream." 10-1-'37. Legion Trial Grounds, Spring Green, Wis.

"Jersey Cream. This attractive variety of the decorative type produced 48 inch spikes carrying 15 buds on 18 inch flowerheads with five 4 inch florets open in the field. Spikes were straight and strong and placement good. Color, cream, without markings, and the florets have very good substance. Bloomed 76 days. Awarded Vote of Commendation." 10-7-'37. Maryland Gladiolus Soc. (Trial Grounds Report)

"Jersey Cream attracted a lot of attention in the trial ground and in Havre de Grace, where several of our members grew it. It looks to me to be about the best of the cream decorative varieties." 10-7-'37. H. V. W., Edgewood, Md.

"All my bulblets of Jersey Cream bloomed." 2-23-'37 J. A. F., Atlanta, Ga.

"Very pleased with your Jersey Cream. Must have a stock now for cut flowers—and any extras, please, in Jersey Cream." 4-25-'38. V.C.F., Fremont, Nebr.

"Think that Jersey Cream of yours is a peach. Bulblets with me grow better than any variety I have ever grown, and those florists fortunate enough to see it, all clamored for some when available." 11-17-'38. G.S.—the largest wholesale grower in the Chicago area.

**MAGNA BLANCA 95 \*\*\*** — ††† Dec. Huge, clear ivory with vivid creamy yellow throat. Immense florets with long, pointed petals. 6 or more open making a handsome spike set in airy fashion on a slim, willowy stem anywhere from 5½ to 7 ft. high! A church and wedding decoration supreme. Certain to become popular for massive decorations. Splendid blooms from S bulbs. A.M. by R.H.S., England, '34. At A.G.S., '36, won for us Best Floor Basket and the coveted Seabrook Perpetual Trophy (3rd time for us). Awards too numerous for mention. 72 inch spike won E. Bay, '37, 73 inch won at Wellsville and 89 inch at E. Bay, '38. L.07(100,4.50) M.04(100,2.75) S.02(100,1.50) Blts (100,-.15)

"Please do not think that Magna Blanca grows 8 ft. tall only in Ohio and Cal. because your bulbs grew to 9 ft. with me last year. This is authentic Witness, Dr. Forman McLean, Director N. Y. Botanical Garden." 3-29-'37. H. F. deG., Southamton, L. I., N. Y.



**MARY ELIZABETH 105 \***—††† Dec. Pure, opaque white with strong, rich, creamy yellow throat. Beautifully ruffled. Thick, waxy substance. One of the most beautiful of all Decoratives. Ideal cutting habits. For years we have been praising and recommending this variety for all purposes. Now reasonably priced. N.E.G.S. (5th yr.), E.S.G.S., Metro, Ohio and Ia., all '37. N.E.G.S., Conn., Pa., Ohio, our 1st Ind., two firsts at E.S.G.S. (we noticed one of them beat Shirley Temple and the other had 13 open on the 2nd day) Sectional Champion at both Ill. and Wisc. and sweepstakes award of "Most Beautiful Bloom in the Show" at Canadian National show (via bulb furnished by us in hands of novice exhibitor), all '38. Voted best cream, N.E.G.S. symp. L.06(100,4.00) M.04(100,2.75) S.02(100,1.50) Blts (100,-.20)

**SHIRLEY TEMPLE 100 \*\*\***—††† Exh. Light cream, approaching white. Vivid throat mark of rich cream. Florets creased and ruffled, leathery texture, averaging larger than Picardy and blooms from bulblets have measured over 6½ inches. 6-8 open, 18 to 20 bud, 5-6 ft. tall, well foliaged, excellent propagator, blooms out remarkably when cut. If you plan to bloom out on the plant spikes from large bulbs in hottest weather, we suggest staking to play safe. Ind. and Md., '38. L.75 M.40 S.20 Blts(100,2.50)

## BUFF

**AMULET 93 \***—†† Dec. Clear capucine orange buff. Heavily ruffled. Has a peachy tone not found in Wasaga. Both Amrita and Amulet are Picardy X Wasaga crosses, probably from the same pod. We feel certain that Amulet is the more desirable of the two. A.M., C.G.S., '36, A.M. Metro., '37. S2.00 Blts .50 (Bulbs were \$10. each last yr.)

**DUNA 90 \***—† Dec. Clear, soft, light pinky buff, bit yellow at base. Back of petals a shade darker, 5-6 open on medium tall spike. High in color values and we like it. Our firsts at Ohio, '35, A.G.S., '36, Ind., '38. Records show 8 firsts, '37 and in 3 shows in Ia., also Pa., Mich. and N.E.G.S., '38. 12th in N.E.G.S. symp. and leads there in its color class. L.06(100,4.00) M.04(100,2.20) Blts (100,.15)

**PARADISE 92 \***—†† Dec. Another fine gladiolus from Mr. Pruitt. Apricot buff shading to yellow in throat, touched with minute red hair lines. Vigorous grower, making fine, long spikes. Grants Pass, '36 Mich., '37. Mah., Md., Sioux City and sectional champ at Yakima, '38. L.10 (100,7.00) M.06(100,4.00) S.03(100,2.00) Blts (100,.20)

**WASAGA 95 \***—† Dec. Clear, glowing golden buff. Bit waved and ruffled. Substance unequal to that of Duna, but taller, and also has high color value. (Am.) A.G.S., (Am.) C.G.S., B.G.S., Ames, Ind. and N.E.G.S., '37. Ind., E. Bay, Cedar Rapids, Ames, Pa., and sectional Dec. Champ in both Com'l (ours) and Am. divisions, Ohio, '38. L.06(100,4.00) M.03(100,1.75) Blts (100,.10)

## LIGHT PINK

**CAMELLIA 90 \***—††† Dec. We have grown about every white with red blotch offered in the last ten years, hoping to find one we were willing to catalog. Clean, pink toned white, with a rather small, vivid orange scarlet blotch on a cream ground. Appears to have commercial qualities. 5 inch florets, 6-7 open, about 20 buds, spikes tall and straight. Good propagator. Does not have a show background but it scored 100% "A" votes in the C.G.S. symp. and would have nosed out Rosemarie Pfitzer for best Blush White had there been 3 more such votes. We suggest you work up a little stock while we all get a bit better acquainted with this promising new one of Mr. Palmer's. S.60 Blts .08.

**D. A. HAY 88 \*\***—††† Exh. A bright shade of light pink not to be found elsewhere in this color group. Blending well into a large, white throat. 10 or more open. Spike ensemble about perfect. Five years of experience with this variety and we have yet to see a crooked spike or a floret wilt in the sun. From the cut flower point of view, this is a real "bread and butter" glad. Our firsts both Ohio and A.G.S., '35. A.M., Ballarat, '36. Yakima, '37. L.10(100,7.50) M.06(100,5.00) S.03 (100,2.00) Blts (100,.40)

**MANAWATU 93 \***—†† Dec. Com. Light pink, feathered somewhat deeper. Fairly tall with thin, wiry stem. An Australian variety supposed to be straight but some of our spikes showed a tendency to crook in the hottest season. This one is quite inexpensive to test in your locality. L.20 M.10 S.05 Blts (100,1.00)

**MERRY WIDOW 100 \*\*\***—†† Exh. Very light blush pink, approaching white, one ruby pencil stripe through center lip. Slightly hooded but widely flaring. Substance fair, about as Jubilee. Merry Widow was the Grand Champion Seedling at the Stambaugh Hall show of the Mah. G.S., '31, where it was shown with an 8¼ inch dia. floret. At the Ohio-Great Lakes Expo. show, '36, it won for largest flower in the show and was around 2 inches larger than its closest rival. Here, one party declared it was reminiscent of the famous Merry Widow hats. Hence





Pacemaker

its name. Largest floret ( $7\frac{1}{2}$  inches), Mah., '38. President of Ohio society measured a bloom in our field last August,  $8\frac{1}{2}$  inches (about the height of this page.) L 1.25 No. 6 S .40 Blts .10 Stock very limited.

*"For goodness sake, what is the parentage of Merry Widow? To say the least, I was taken aback when it came in bud—and when it bloomed, I just stood there in amazement. Made some crosses and the pods were "sockers" and well filled. Here is my record: Creamy white, blushed light pink, throat deeper pink, narrow reddish line through center petal. 94 days, stem 13 inches, flowerhead 30 inches, crooked slightly, floret 8 inches, slightly hooded, 6 open, 18 buds, placement fair. Stood hot weather very good. Produced a large bulb with other small bulbs piled on top, but which will not separate from large one, also a small bulb on side of spike about 6 inches above main bulb." 9-27-'38. This from another Pres. of a state society nearby.*

**MISS AMERICA 95 \*\*—†† Exh. Com.** Delicately toned, light pink, about pale flesh. A slight indication of hooding, uncommonly wide proportioned florets. Excellent color value coupled with first class cut flower traits. We think it the best introduction of Mr. Salbach's since La Fiesta. 1st and A.M., East Bay, '38. L2.50 M 1.50 S 1.00 Blts .20

**PACEMAKER 96 \*\*—†††† Exh. Smooth.** medium-light pink. Prominent, smooth white throat. 12-16 open. Immense flowerheads on medium length stems. Top score Exh. Seedling and Champion Seedling Bloom (all types), winning two blue ribbons and the \$90.00 sterling silver Stella M. Antisdale Seedling Trophy, joint Ohio-Mahoning at Ravenna, Ohio, '34. Without injuring frontal appearance its florescence is such that it sometimes fills out  $\frac{2}{3}$  around the stem instead of just  $\frac{1}{2}$ . With our cultivation the stem only approximates the length of the flowerhead. The spike shown in the illustration only had ten open but the florets were larger than usual, the first  $7\frac{1}{2}$  and the tenth  $5\frac{1}{2}$  inches dia.; the flowerhead 26 and the entire cut spike  $50\frac{1}{2}$  inches long. Not a fast propagator and stocks still limited. L.75 M.50 S.25 Blts .10

**ROSEMARIE PFITZER 85\*\*—†††† Exh.** Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets (single lip, top petal back). Pfitzer's claim that it makes the best spike of all his introductions appears more than justified, for it is of exquisite beauty, very delicate in appearance yet of excellent substance and texture. Illustration shows the sort of spike you may expect from S bulbs. A.M., Haarlem and Amsterdam.



Our 1st A.G.S., '33. We were first to win with this variety in U. S., A.G.S., '33. Our 1sts Ohio and A.G.S., '35. Three grand championships, Winnipeg, '35, Woolston (N. Z.), '36 and (Mrs. J. Sherwin) C.G.S., '37. Too many 1sts in '36 and '37 to report 1sts Ind., Ohio, N.E.G.S., C.G.S., Ames, Winnipeg, '38. Now 10th in C.G.S. symp. and tops its color class in both symposiums reported. An impressive showing. L.08(100,6.00) M.05(100,4.00) S.02(100,-1.50) Blts (100,.20)

*"At the Gladioli Show I had one of your Rosemarie Pfützer ready and captured 1st prize with it. The spike grew 6¾ feet high and was a beauty." 9-27-'37. Mrs. J. N. A., Regina, Sask.*

*"We welcome these new American friends and congratulate one of them, an Ohio lady, Mrs. John Sherwin, on growing the best spike in the Midland Show." (From President's Message, C. G. S., Oct., '37. Quarterly)*

## SALMON PINK

**ALADDIN 85 \*\*\*—††††** Exh. Soft tones of salmon pink, creamy blotch with some cream along the mid ribs of the petals. Immense florets, widely expanded, somewhat waved, well over 6 inches dia., 8-10 open, about 20 buds. But one year of growing experience with this, nevertheless our plants were so strong and stems so sturdy and spikes so big and showy we are inclined to believe Aladdin is Mr. Palmer's finest creation to date. Good propagator. Wash. and Ind., '38. Had there been judging for grand champion at the Ind. show, there seemed to have been a general consensus of opinion there that it lay between Mrs. Sherwin's spike of Aladdin or our spike of Dazzler. L 4.00 S 2.00 Blts .50

**AMAZU (E. Both) 80 \*—††††** Dec. Com. Light orange pink with deeper feathering on lip petal. Has a frosty iridescence. 5 inch florets, 6-8 open, about 20 buds. Stem is strong and wiry. Comes to us from Mr. Both with a background of seven blue ribbons in Australian shows '36, '37. L 2.00 M 1.00 S .50 Blts .20 Stock limited.

**CONQUEST 97 \*\*—††††** Exh. Com. Brilliant, light salmon pink with cream blotch. Considerably lighter than Aladdin, somewhat lighter and cleaner color than Millie Parks. Nicely ruffled but well expanded florets, 5½ to 6 inches dia. 6 or more open. Makes highly satisfactory, saleable spikes from No. 4M bulbs. Dig late to get a fine crop of mature bulblets. Best recent Introduction, Conn., '37 and same at fortnightly meeting N. E.G.S., Aug. 8, '37. L.60 M.30 S.15 Blts.04

**HARRY PERIAM (E. Both) 85 \*\*—††††** Exh. Com. Rosy salmon pink, sometimes lightly flaked deeper, conspicuous cream throat-slightly creased mid ribs marked cream. Well expanded florets are held rigidly on a tall, thin, wiry but strong stem. Two years growing experience with this variety convinces us that it is an eminently satisfactory commercial prospect. Eight open, 5½ inch, 20 buds for us. L 2.00 M 1.00 S .50 Blts .20 Stock very limited.

**MILDRED LOUISE 87 \*\*—††††** Exh. Clear, light strawberry salmon, blending into yellow in throat. Type of spike about same as Picardy but florets never lose their glistening brilliance of color. Champ bloom, Ohio, '33. Grand champ again, Minn. '36. B.G.S. and Ia., '37. Ames and Cedar Rapids, '38. 10th best glad., N.E.G.S. symp. L.06(100,4.00) Blts (100,.20)

**PICARDY 90 \*\*—††††** Exh. Long, straight spikes of clear light salmon, not far removed from apricot buff. Has been considered the world's most popular glad for about 5 years, and so often grand champion spike that we refer you to our page recording grand champions to conserve space. Easy propagation makes the price seem ridiculous and a waste of time to bother with bulbs in the smaller sizes. In '37 our ranking Ohio amateur exhibitor, Mrs. J. Sherwin, won the 3 spike and 10 spike vases in the open div. of the Canadian national show with spikes of Picardy that fairly startled the Canadian folk, though Picardy is "at home" up there. One of our 3 winning spikes of Picardy in the Ohio '38 show was Com. Sectional Exh. champ but it failed to beat our spike of Dazzler for Grand Champion. 1st in N.E.G.S. and 2nd C.G.S. Symposiums and tops color class in both. L.06(100,3.60) Blts (100,.10)

*"Did I tell you that last year (1936) at the Metro. I received first award for most outstanding spike and also first for spike with longest flowerhead and both spikes were produced from the same bulb, one of your Picardy bulbs." 12-7-'37. H. F. deG., Southampton, N. Y.*

**QUEEN HELEN II 98 \*—††** Dec. Color deep shrimp to apricot orange, prominent yellow blotch. Excellent cut flower habits. Does not burn in hot and dry climates. 6 open, 18 total buds. A good propagator, a worthy variety, though it has been unable to secure many awards at the shows in this, the most highly competitive color class. L.06(100,4.00) M.04(100,2.75) S.02 (100,1.25) Blts(100,.20)

**REVERIE 90 \*—††††** Dec. Pale shrimp shading smoothly to cream throat. Very high color value with instant appeal. Listed here to conform with N.E.G.S. color classification but it is certainly lighter than



the others, of which Conquest is the lightest. Makes a vigorous, healthy plant, with tall, strong, straight, regular spikes. 6-8 well open, lightly frilled florets. Total about 20 buds. Good propagator. Excellent blooms from the smaller sizes. A.M., C.G.S., '33. A.G.S., '37. Ames, E. Bay, Ia. and our 1st Mah., '38. Rates highest Dec. type in this color class, C.G.S. L.07(100,4.50) M.04(100,2.50) S.02(100,-1.25) Blts(100,.10)

## DEEP PINK

**FRANK J. McCOY 105** \*\*—†††† Exh. Immense, tall, strong spike of pure pink. Surely, we put this variety on the map. Way back in '31 when we registered the first win for it at the largest gladiolus show in history (over 7000 entries), A.G.S. at Cleveland. Our customers (and we) have been winning with it ever since. 5½ inch florets, 12-15 open, 50-60 inch cut spikes carrying 22-24 buds. Nearly all of the grand champion spikes attributed to this variety in our page of records ahead were produced from our bulbs. Beside blue ribbons in color class, it scored for most open at Wellsville, Utah, most buds and blooms, Ohio, and grand champion at Ames, Sioux City and C.G.S., all '38. Second only to Picardy in number of grand championships. L.06(100,4.00) M.04(100,2.75) Blts(100,.25)

*"Your bulbs last year gave me some glorious glads in spite of the extremely hot weather and F. J. McCoy was truly wonderful."* 1-28-'37. Mrs. J. F. T., La Porte, Ind.

*"Bulbs came packed as if for a trip to Little America. Last season the Frank McCoy were by far the best glads I ever raised."* 2-8-'37. B. L. W., Roanoke, Va.

*"Thanks for generous overcount on the McCoy's and Mary Elizabeth, also the quality of the bulbs. Hot weather brought my McCoy into bloom mostly before the show. Had many with 14-16 open and 10-12 buds above that. However, I won the amateur sweepstakes, my McCoy was grand champion of the show and my Mary Elizabeth was 'most beautiful bloom in the show'. This was my first attempt at the Canadian National shows."* 10-8-'38. H. K., Port Elgin, Ont.

**FROSTPINK ornatus 72** \*—†† Dec. A Champion first time shown. Soft, medium values of pink, modulating into general effect of "Frostpink" (Textile Color Card Ass'n. of U. S.). No other markings. Intensely ruffled. Superb cut flower traits. Florets 4½-5½ inches, 5-7 open, 15-18 bud, 4 ft. high. Good propagator. Florets open slowly and make the most lasting spike within our knowledge, both in the field and when cut. Spikes cut at any stage after first color open out beautifully to the tip. Decorative color, form, placement and ruffling combined to better effect than

we have ever had the pleasure to see in any other one gladiolus. 1st for us as best Dec. Type Seedling and Sweepstakes award as Grand Champion Seedling of all types, two blue ribbons and third leg and permanent possession of the \$50.00 Home Savings & Loan Silver Seedling Trophy, Mah., '33. Our 1st, Ind., our "best basket", using a few Pelegrina for harmony, Ohio, after winning with same combination at Mah. for "best vase, 12 spikes most harmonious color combination", all '38. L 1.00 M .60 S .40 Blts .08

*"Frostpink is really one of the most beautiful glads on the market. I used it to the limit in hybridization."* 1-29-'38. W. C. K., Oconomowoc, Wis.

**MARGARET FULTON 90** \*—†† Dec. Clean, rich coral. Throat bit lighter. Substance excellent. Fine cut flower habits. With good culture, responds with fine exh. spikes. A.M., A.G.S., '31. A.G.S., '32. Our 1st, Ohio, '33. Ill., '36. Grand Champion, Pa., '36. 1st at 3 shows Ia. '37. E. Bay, E.S.G.S., Sioux City, Ames and Mich., '38. L.06(100,4.00) M.03(100,-2.00) Blts (100,.15)

**MISS NEW ZEALAND 93** \*\*\*—†††† Exh. First offered in U. S. by Dr. Barber and by us in 1934 at \$30. per bulb. All catalogers scrambling for stocks to list ever since. Color difficult to describe or classify. A deep pink suffused rose with some ground color of dark apricot salmon. A distinctive throat of color of a ripe peach. We have grown long spikes with 10 open florets, as many more in bud, the three lower florets a full 8 inches diameter, the other seven tapering off to 7 inches. Excellent substance, straight spikes, powerful grower, acclimates easily and a good propagator even from large bulbs. Champ bloom Marlborough Hort. Soc. '32 and '33, earning their F.C.C. as it did likewise from the Nelson Hort. Soc. A.M. and open Champion, Ballarat, and Dunedin, '35. Detroit, Metro (N.Y.C.) and N.E.G.S., '35. (Dr. Pease, 1st Am.) A.G.S. (Dr. Pease, 1 and 3 spike) Ill., Winnipeg, and Grand Champion, N.Z.G.S., all '36. Metro., Ames, Grand Champion (Aug.) Calgary, all '37. Ohio, Sioux City, Pa. Ia., largest floret Conn., and sectional champ, Calgary, all '38. See illustration. L.20 M.12 S.06 Blts (100,1.50)

**PEGGY LOU (Wilson-Evans) 90** \*\*—††† Exh. Smooth, deep shrimp pink, with a slight rosy cast and a slight peppering of deeper rose in the throat. Undoubtedly classifies as a self color. We visited nine of the various glad shows mentioned throughout this booklet in 1937 and, in our opinion, of the many seedlings we saw in

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.



each, carefully studied as you may well surmise, this one was "tops". Not even forgetting that our own seedling was grand champion seedling at the Ohio show. We learned from Mr. Wilson that he produced it from the same cross from which Mr. Palmer secured Picardy. Apparently, it is another Picardy with a color change that will be welcome to most of us. We could discover no variation from Picardy traits unless the petals are a bit rounder at the tips. We know the variety propagates about the same as Picardy. See illustration of bulb and bulblet production from No. 5 small bulbs. While a seedling it was Champion Seedling at Mah. and Pa., '37, also Grand Champion at Mah., '37. The Pa. spike had a 37 inch flowerhead with 10 open florets. The Mah. spike had a 36 inch flowerhead with 9 open.

With very few large bulbs in existence in 1938, nevertheless the performance of Peggy Lou in the shows, mostly from No. 3 and 5 bulbs, during its first year of introduction, was nothing short of marvelous. A first each at Ames, Sioux City and Ia. state shows. Our first 3 spike, beating our own fine spikes of Miss New Zealand and our first "nearest monotone pink", both Ohio. At Ind. state show, our first 3 spike, Com'l sec., our first "Best Pink" 3 spikes, Open sec. and there was a first 1 spike Amateur sec. At Pa., one first 1 spike, one first 3 spikes, one first Vase of 12 spikes, winning N.E.G.S. Purple Rosette. At Grants Pass first for Best Basket, staged by Mr. Plummer, pres. of the society, entirely from No. 5-6 bulbs, with about 60 baskets competing. At Md., one first in the show and Award of Merit via the Trial Grounds. At E. Bay, a long, stretchy spike with six 6 inch florets open, from a No. 3 bulb took a first, a sweep for the Pink scoring the highest in the 3 pink color class sections, same spike also the Grand Champion bloom of the show. At N.E.G.S. -Brockton, first and Grand Champion. At Mah., 1 first 1 spike, 1 first "best recent introduction", one first "best vase 12 spikes" also Grand Champion. At Wellsville first 1 spike. 1st 3 spike, 1st vase and Grand Champion winning silver vase and N.E.G.S. Silver Medal. Some 20 odd awards and 4 grand championships. Only the well disseminated Picardy was able to muster more grand championships.

The spike illustration of Peggy Lou was from a No. 3 bulb (the few big bulbs got away from us). Like Picardy, the younger bulbs tend to slightly stagger formation but the heavier bulbs tend to produce the double row, exhibition type of bloom. This spike carried 22 inches of open florets, excluding bud length. L 1.00 M.75 S.50 Blts(Ea., .20; 10, 1.60)

"No doubt you will be interested to know that the No. 3 bulb of Peggy Lou I purchased from you produced the spike which was judged grand champion of the East Bay Exhibition, just over." 7-26-'38. F.F.L., Cctati, Calif.



PEGGY LOU  
(from No. 3 bulb)

"The blooms in our Peggy Lou basket that won first prize were cut from the No. 5-6 bulbs we purchased from you. There were about 60 baskets competing and Peggy Lou got lots of notoriety." 10-29-'38. H.G.P., Grants Pass, Ore.

"We never saw Peggy Lou 'till we walked into the show last summer at Grants Pass. Well, it just about took me off my feet. I like it very much." D.S.P., Eugene, Ore.

"We think your Peggy Lou a grand exhibition and commercial variety and gave it a good write up in our catalog. Believe it will go over in a big way." "We regard your Peggy Lou as the outstanding U. S. introduction of last season and probably the greatest exhibition and commercial variety introduced since Picardy in 1931." The above from two large U. S. catalogers.

**PINK SELECTION 98 \*—†††† Exh.** This variety will undoubtedly join the ranks of famous "Sports" such as Marmora and Betsy Bob Up. A delicate pink with deeper blotch. Flowerhead and growing habits as Our Selection, from which it sported. Few words, but they say a lot and will mean still more as the variety becomes disseminated. Grand Champion, Tasmania G.S., (Feb.) '38. L.60 M.40 S.20 Blts .05



## ROSE PINK

**AMETHYST 94** \*—†††† Exh. Lilac, lavender rose pink, bordered deeper, White center line on each petal. Ruffled. 8-12 open. Bit short in stem but long flower-heads. Highly desirable cut flower habits and we think bound to become increasingly popular. N.E.G.S., '35. Cedar Rapids, '38 M.06 S.03 Blts (100,.30)

**EXCELL (E. Both) 85** \*\*—††† Exh. Perfectly clear, rosy pink, with white line through center of each petal, except that lip petal is clean white, surrounded by a thin edge of the rosy pink. 5½-6 inch florets, 8 open (we have had 12). Lots of bud color. Without our high winds of last August we might not have noticed that the attachment of floret to stem may not be as strong as could be desired. This is the only feature that could possibly keep Excell from becoming a fine commercial as its color value is beyond any possible criticism. If you are looking for a genuine beauty, here it is.  
1st and Champ. Vase, all colors, So. Australia G.S., both '36 and '37.  
L 5.00 M 4.00 S 3.00 Blts .60 Net prices, no discounts. Stocks very limited.

**FESTIVAL QUEEN 100** \*\*\*†† Exh. Rosy, geranium pink, soft carmine feather on lip petals. Immense, round, well expanded florets over 6 inches dia. 5-6 open, around 16 buds. Placement and facing is consistently good. Has been in the market several years but the price heretofore minimized dissemination. Gold Medal Calif. Flower Festival as best new flower (all kinds of flowers), '33. L .25 M .20 S .10 Blts (100,1.00)

**IRENE 102** \*\*—††† Exh. Salmon rose. Steel gray at edges. Lighter throat. Strong spikes, many large, round florets open. One of the best from Scotland. Like Jersey Cream, can take any kind of punishment in the field, rain, windstorm, heat, uninjured. A beauty, too. Runner-up for Champion bloom consideration at Winnipeg, '33., Brit.G.S., '35., Winnipeg, '35 and '36. C.G.S., '36. Ga. '37. N.E.G.S., Pa., Ohio, Mich., Winnipeg, '38. L.08 (100,6.00) Blts (100,.40)

**ISOLA BELLA 92** \*—††† Exh. Both bud and flower cattleya pink with a soft lilac hue. 8-10 open on tall strong spike. A.M., Haarlem. B.G.S., '37. We registered the first win in U. S. at Ohio, '38, with 3 very fine spikes which attracted much admiration. L.40 M.30 S.20 Blts .03



Miss New Zealand (7 inch florets)



**RIMA 85** \*\*—††† Exh. Com. Smooth, pastel blend of very light lilac rose pink, graduating toward very pale yellow in the throat. Florets around 6 inches, 6-7 open, 20 bud, spike tall, strong and wiry. Substance and delicate pastel color values indicate high commercial quality. Metro., '37. Conn. and Yakima, '38. L 1.20 M .60 S .30 Blts .08

**SALBACH'S ORCHID 88** \*\*—††† Exh. Lavender pink rose. Just the shade of Cattleya orchid. Good commercial qualities, able to stand the hottest sun without fading or wilting. We registered the first win for this variety at the big A.G.S. Cleveland show, '31. Now leading its color class in the N.E.G.S. symp. We clear the slate of awards, picking up Mah., Ames and Pa. for '38 for a fresh start (and harder, with Excell, Rima and other new ones coming into the field). L.06(100,4.00) Blts(100,.15)

**SOUTHPORT 96** \*—††† Exh. Frequently deserves two stars for size of florets. Color a smooth, light, lilac rose pink, self color. Makes a long flowerhead with 10-12 open blooms on medium long stems. Excellent color value and at least among the best 3 or 4 of the many fine glads introduced by Mair, Scotland. B.G.S., '35. Ia., '37. Regina, '38. Tops the medium and deep rose color section, C.G.S. L.35 M.25 S.15 Blts.03

## ROSE AND ROSE RED

**BEACON 90** \*+†† Exh. Brilliant, clear colors. A rather dark rose, approaching scarlet. Pronounced creamy blotch. Florets slightly waved and ruffled. 8 or more open. Tall, straight spikes. Color is both distinctive and striking. If you are looking for a "showy" glad, with color of "quality" thrown in for good measure, here it is. C.G.S., '37. Ia., '37. Simply leaped into 4th position in the C.G.S. symp. and topping its color section there. A.M. by Md. G.S. Trial Grounds, 1sts at Ind., three Ia. shows, E.S.G.S., C.G.S., Pa. Regina and Grand Champion at Wash., all '38. L.25 M.18 S.10 Blts(100,1.50)

**GOV. PINCHOT 75** \*—††† Dec. Dark rose self. Color value very great as little supplied in gladiolus. One of the best of Kunderd's new ones. Strong grower and good propagator. Excellent blooms from S bulbs. Medium height. Not what is called tall or stretchy. (Am.) N.E.G.S. and Yakima, '37. Ind., '38. L.12 M.08 S.04 Blts(100,.40)

**LEONA 90** \*—††† Exh. Clean, rich rose red, slightly ruffled. For us the best performer among Mr. Pruitt's '38 releases. Our spikes were admired by all who saw them. The

color is much darker than other varieties here listed, not far removed from dark red in depth of color. Our 1st best red recent introduction, Ind. and a first at Sioux City, '38. L (Ea.75; doz., 6.00) M (Ea.40; doz., 3.00) S (Ea.20; doz., 1.80) Blts 100, 2.50)

**RED LORY 90** \*+††† Exh. Carmine Rose, mottled bright orange. Crimson on lower and cream on upper section of throat. Hardly a wonderful color harmony, but makes spectacular spikes with 12 open. Might need staking if bloomed in very hot weather. N.Z. growers claim it has won more champion certificates there than any other. (Am.) (Dr. Pease) A.G.S., '35 and at Ill., '36. Grand Champion, East Bay, '36. 1st and most open A.G.S., N.E.G.S., (Am) Mich., Conn., Ia., (both) Calgary and Yakima, all '37. Ames, Conn., (Am.) C.G.S., Mah., Mich., E.S.G.S., Ohio, E. Bay, our 1st Ind. and our best floor basket, Ohio, all '38. Tops color section, N.E.G.S. symp. L.06 (100,4.50) Blts (100,.25)

## PURPLE

**CHARLES DICKENS 93** \*—†† Exh. Violet purple. Tall. Fine cutting spike. Voted best purple, C.G.S. last 3 symposiums. 10 firsts in various shows we are reporting, including Ohio and C.G.S., '38. L.06(100,-4.00)

**RAMESSES 90** \*\*\*—†† Dec. Aster purple, pomegranate blotch on white. Extremely large florets with long, pointed petals. Peculiar ruffling and orchid appearing. One of the tallest glads we offer. Very decorative in combination with lavenders. Ind., Ohio, E. Bay, Sioux City, Cedar Rapids and Ia. state, all '38. L.06(100,4.00) Blts(100,.15)

**STAPLEFORD 95** \*\*+††† Exh. Immense, round florets of clear, bright purple with pronounced, clear white blotch. Tremendous flowerheads with 10-12 florets open. Tall, strong, well foliated plant. Slow propagator. Stock very limited. Auckland G.S., '36. Ind., '38. L.60 M.45 S.30 Blts .05

**TAKINA 90** \*\*\*—††† Exh. Rosaline, lilac purple. Lightly flaked a darker shade. A spike of Takina on our winning "Connoisseur" display at the national show, Akron, '36, created a commotion. Has been exhibited with 8¾-inch florets, 9 open and has been grown to a height of 7 feet. Our blooms have reached 8 inches with 7 open. close to 6 ft. high. F.C.C., N.Z.G.S., '34. Auckland G.S., '36. Ames (Ia.) and Yakima, '37. Ohio and Regina, '38. Tops color section, N.E.G.S. symp. L.20 M.15 S.10 Blts(100,.75)





Joseph Haydn  
(from medium bulb)

## LIGHT VIOLET

**ALLEGRO** 80 \*+†† Exh. Light lavender-blue. Two dark blue blotches ending in white arrow points. Good cut flower habits and one of the very best performers in our fields. Scarce. F.C.C., Haarlem, '33. 9th rating, C.G.S., '38. Our 1st, A.G.S., '37. Calgary (Sept. show), '37. Ohio, E. Bay, '38. L.40 M.30 S.20 Blts .04

**AVE MARIA** 83 \*—†† Exh. Unmistakably blue toned. Small purple blotch. Has great vigor and bulbs are very disease resistant. Blooms comparatively early. Fine cut flower habits. Newcomers are edging it now, for popularity. Still can win. Pa., Ames, Sioux City, Cedar Rapids, Mah., Conn. and our 1st Ohio, all '38. L.06(100,4.00)

**BLUE BEAUTY** (Blaue Schonheit) 80 \*—††† Exh. Medium light blue with edges of petals overlaid violet blue. Throat somewhat lighter on upper petals, darker on lower containing a small white mark, V-shaped. Large, wide open florets, 8 open, 20 buds, on a long, strong spike. F.C.C., Haarlem. Won Certif. of British G.S. offered at Haarlem, '36, for champion bloom of the show. First blue in history to achieve show championship. Now 7th in C.G.S. symp. and tops its color section. E. Bay, '38. L.40 M.20 S.10 Blts(100,2.00)

**BLUE WONDER** (E. Both) 95 \*—†††† Exh. Medium light blue violet 5 inch florets, 10 to 16 open, 23 buds, 55 inches tall. Placement excellent, substance good, foliage up to 3 inches across. If flower is bloomed out in hot weather in garden we suggest staking so massive a spike. This variety won Champion bloom as a seedling in the South Australian G.S., '35. We register the first win with Blue Wonder at Ind., '38. L 1.50 M 1.00 S .50 Blts .10

**JOSEF HAYDN** 90 \*+††† Exh. Light heliotrope-violet with spectacular dark blue violet blotch. Florets are large, wide open, of heavy substance and well placed on slender but straight stems. This variety offers a genuine novelty color combination of great charm. It has not propagated as fast as we would like but we believe we now have the stocks acclimated. We are approaching conclusion that this variety is Pfitzer's best blue. A.M., Haarlem, '35. See illustration. B.G.S., '37. L 2.00 M 1.50 S 1.00 Blts .30



**MILFORD 90** \*—††† Exh. Soft, delicate blue violet, slightly darker to edge, but without any markings in throat. Tall and straight. 9 open. Champ. seedling N.Z. G.S., '34. F.C.C. Ballarat, '36. (Am) N.E.G.S. (Am) E.S.G.S., and best blue, Metro, all '37. Ind., E.S.G.S., Sioux City and our 1st, Ohio, all '38. Tops N.E.G.S. color section. L .15 M .10 S .05 Blts (100,.40)

**RAYSHEEN 80** \*—††† Dec. Com. Delicate, soft tones of medium light blue violet, with slight deeper feathering and a small, soft yellow mark on lip petal. Very vigorous grower and best propagator we have ever discovered among the blues. We recommend this new Australian blue most highly for commercial purposes and suggest that you do not attempt to rate quality of this variety by its very low introductory price made possible by fast propagation. We register first wins in U. S., at both Ohio and Ind., '38. L.25 M.20 S.15 Blts (100,-2.00)

## DARK VIOLET

**BLUE ADMIRAL 95** \*—††† Exh. Com. Clear, deep violet. Sturdy spikes, tall and straight. Tops color section in C.G.S. symp. Ia., E. Bay, Cedar Rapids, Ames, Mah., Mich, and Pa., '38. L.10

**PELEGRINA 85** \*—†††† Exh. Velvety, dark blue violet. 10-14 open and entire balance of long spike in color. Often 15-20 buds show color before first floret opens. Despite a stem we would prefer a bit stronger, it has achieved world wide popularity. Stands 9th in N.E.G.S. symp. and tops its color section. Ind., E. Bay, 3 Ia. shows and our 1st, Ohio, '38. L.06 (100,4.00) M.04(100,2.50) Blts (100,.20)

**RUDOLF SERKIN 90** \*—††† Exh. Pure, dark pansy blue of a strong shade which does not fade. Round petals, well expanded florets. This is Pfitzer's own improvement on Pelegrina in color, size and texture. F.C.C., Haarlem, '35. B.G.S., '35. Metro. (NYC), '35. To see it is to want it. Very scarce. At the Metro., '37 show it won a sweepstakes of designation new to the glad shows, namely "Most Beautiful Bloom in the Show". Ohio, '38. L.35 M.25 S.15 Blts .03

**TUNIA'S BLUE (E. Both) 110** \*\*\*—†† Exh. Dark blue violet, about a shade lighter than Pelegrina. Florets 6 to 7½ inches, up to 7 open, 16 bud. Vigorous grower but bulblets not very plentiful, averaging 10 to 20 per bulb. Being the first appearance of mammoth florets in this color section, it is certain to be in demand for show competition and hybridizing. Ea. L 2.00 M 1.00 S .50 Blts .10

## YELLOW

**AMBERGLOW 77** \*—†† Dec. Soft, but brilliant, clear unmarked amber yellow. Its color value at once removes it from the commonplace and its fine cut flower habits join to give it high ranking. 7-8 open, 16-18 buds. Early. Ia., '38. L.50 M.25 S.15 Blts (100,3.00)

**BETSY BOB-UP 110** \*—††† Exh. A Betty Nuthall sport. Identical habits, so would be bound to "go places" even if of inferior color. But this break produced a rugged gladiolus in a much-needed color-smooth, primrose yellow, beautifully overlaid with a delicate peach pink, which diminishes as the florets open up the spike. Though only introduced in 1936, prices are already reasonable, due to Nuthall propagation habits. Ill., '35. Our 1st, Ohio, '38. L.07 (100,5.00) M.04(100,3.00) S.02(100,1.50) Blts (100,.20)

*"Everything I had from you did well. Betsy Bob Up came up to expectations. I circulated your Guide Book, as I consider it so valuable for Fans and I had a job to get it back. It went on and on and only just now have I managed to recapture it." 9-1-'37. M.L. P., Bassendean, West Australia.*

**GOLDEN GODDESS 95** —†††† Exh. The first patented gladiolus (U. S. Plant Patent No. 77). Clear, deep monotone yellow. Consistently makes long, compact flowerheads with about 12 open florets and a total of about 22 buds. Color is richer than that of the other yellows listed. Florets larger than those of Golden Dream, flowerhead longer, stem shorter. We have grown this variety 6 years and are satisfied that the color value is outstanding. Together with 3 national seed houses and a few gladiolus growers, we are licensed by the Patentee, Carl Salbach, to sell Golden Goddess. Bulbs will be supplied only upon the express condition that they can be grown for the personal enjoyment of the purchaser, but that no stock may be resold, leased, given away or in any way transferred without the written consent of the Patentee. Detroit, '35. Winnipeg, '36. Ind. and (Am.) N.E.G.S., '37. 1st at 3 Ia. shows and A.M., E. Bay, '38. Now obtainable in quantity at reasonable prices. Large bulbs only. Ea., .20; 3, .45; 6, .80; 12, 1.50; 25, 2.85; 100, 9.00

**JONQUIL 75** —†† Dec. Clear, very deep yellow. Tall, straight spikes. Early. 6-8 open. N.E.G.S., '37. Ia., '38. L.10 M.07 S.04 Blts (100,.50)

**LOUIS D'OR 88**\*—† Dec. Very deep bronzy yellow with apricot shading. 6 open. Strong, straight, slender spikes. High color value. (Am) A.G.S. '37 L.15 M.10 S.05 Blts (100,1.50)



## ORANGE

**BETTY NUTHALL 110** \*—††† Exh. Coral pink shading to some orange. Yellow in throat. Aided by rapid propagation, this variety made a meteoric rise into popular favor. Has been so near top of symposiums so long and won so many awards it is needless to report them. Now 6th in N.E.G.S. symp. and tops its color section. L.06 (100,4.00) Blts (100,.10)

**BIT O' HEAVEN 90** — †††† Dec. Clear orange, soft yellow throat. Florets pretty small for a shoulder high glad but it appears self supporting and withstands bad weather and soil conditions. Florets not much above 3 inches, somewhat hooded, 8-10 open, about 22 buds. No. 20 and tops orange section, C.G.S. Mich., Ia., C.G.S., Regina and our 1st, Ind., '38. L.20 M.15 S.10 Blts (100,1.50)

**LA FIESTA 90** \*—††† Dec. Bright orange. Deeper in throat. Tall, strong, wiry stem. Color a large improvement on the popular Senorita, with much taller spikes and better placement. A coming "cut flower." Rapid increaser. Large blts. We have had spikes with 12 open florets. Also 5 ft. spikes from small bulbs. Also a hundred or more spikes as good as the illustration from large bulblets. Again we have "broken the ice" for a wonderful, new variety. Our 1st, A.G.S., '36. A.M., British G.S., '36. (Am) N.E.G.S. '37. We assure you it would be a mistake to omit this item from your order. See Illustration. 1st and A.M., E. Bay, Ia. and Dec. Sectional champion, Pa., all '38. L.25 M.20 S.10 Blts(100,1.00)

**MRS. H. BROMLEY AMBLER 95** — †† Dec. Orange chrome, an intense shade of orange not found in any other glad. Valuable color for decorative use. Florets about 4 inches. Will not fade, bloomed indoors in light. Fades some in sunlight. Most intense oranges do. Beat the famous Betty Nuthall (our 1st) A.G.S., '31. Our 1st, nearest monotone orange. Ohio-Mah. '34 and same Ohio, '35. 1st and Champion Am. Dec. spike, Ohio, '35. beating larger spikes of Picardy, King Arthur, Mary Elizabeth, Wasaga and other winners by reason of its unique color value. A.G.S., '37. Our 1st and also nearest monotone orange, Ohio, '38. L.08 M.04 S.02 Blts(100,.25)

**ORANGE BUTTERFLY 95** —††† Sm. Dec. The only really small flowered variety in the entire list. They average about 2 inches. But, it holds 10 or more open on a



La Fiesta



long flowerhead, which is very unusual for this type. The color is a rich, glowing, bronzy orange. And, unlike most of the small flowered sorts, the substance of the florets is excellent, though there may be some crooking of the stem in extremely hot weather. A.M. British R.H.S., '32. N.E.G.S., Wash., and Winnipeg, '33. We won 3 firsts with it Ohio-Mah., '34, one of which was also awarded Champion Small Dec. bloom. Am. Sm. Dec. Champion (Mrs. Pease) Ill., '35. Four 1sts (one of them ours) Ohio, '35. Pa., Ind., Winnipeg, (Mrs. Sherwin) C.G.S., also Open Sm. Dec. Champ (with 14 open), Ohio all '37. Ind., E. Bay, Wellsville, most open and Sectional champ, Ames, our 1st Mah. and Ohio, '38. L.06(100,4.00) M.04(100,-2.50) S.02(100,1.25) Blts (100,.20-M,1.00)

## SCARLET

**AMADOR 98 \*\*—††** Exh. Brilliant and glowing scarlet, day or night, 5-8 very large florets open on a strong spike with good cut flower habits. Western awards. A.M., British G.S. N.E.G.S., '35, '36, (Am) '37. Mich. and Grants Pass, '36. Cedar Rapids, E.S.G.S., '38. L.06(100,-4.00) Blts (100,.30)

**JOH. S. BACH 78 \*\*—††††** Exh. Orange salmon, shading bit lighter in throat. White median lines. Tall and strong. Huge, well arranged flowerhead. 10-12 open at once. The earliest, extremely large flowering sort within our knowledge. A.M., Haarlem, F.C.C., British G.S. Shown in Wash. with 14 open to win, '35. Champion bloom of show, Vancouver, '35. N.E.G.S., '36. E. Bay, N.E.G.S., Conn., (Aug.) Calgary, B.G.S., grand champion Wash., all '37. Ind. Ohio, Mich., Regina and reserve champion Calgary, all '38. L.12 Blts (100,.75)

**LUCIFER 95 \*\*+††††** Exh. Orange scarlet, purplish crimson blotch. Makes a huge plant and spike, often side spikes. Huge florets set well spaced, up to 10 open. Very tall. A.M., B.G.S., 1st at 5 shows Australia and grand champ. R.H.S., Ballarat, '35. Conn. and 2 Ia. shows, '37. Mich. and all 4 Ia. shows, '38. L.07(100,-4.50) M.04(100,3.00) Blts(100,.30)

**MAC 93 \*\*\*+††** Exh. Metallic, bright orange scarlet, small violet throat blotch. Big, flat, round florets, 6-7 inches dia. with 5-6 open. Has an occasional misplaced first floret and our high winds of gale force last Aug. disclosed some loosening of attachment of floret to stem. Think O.K. for cut flower purposes where distant shipping is not required. L.25 M.15 S.10 Blts (100,1.00)



Tunia's Triumph



**MRS. C. P. WORLEY 98 \***—††† Exh. Salmon red, cream throat. Powerful grower, luxuriant foliage, long flowerhead on medium length stem. Size of florets almost warrants two stars. Stock very limited. Md., '38. L.50 M.35 S.15 Blts (100,3.00)

**TUNIA'S TRIUMPH (E. Both) 88\*\*\***—††† Exh. Today the world's most sensational glad. Starting its career, it won the Fallu Cup and Grand Champion Seedling award at the South Australia, '34 show. Australian fans have been spellbound with this flower ever since. The color, light orange scarlet with a sheen approaching metallic bronze, a self color. Florets 7½ to 8 inches, 7 to 9 open, 21 buds. The huge florets are perfectly faced and placed. The spike grows 5 ft. or taller, perfectly straight and the heavy texture enables the florets to withstand hot, drying winds. Makes a strong, well foliated plant that requires no staking. Good propagator, young bulbs producing from 30 to 50 bulblets. With a bold, arresting bloom having every desirable exhibition quality, this variety shows every evidence of being unstoppable. See illustration. We started its winning career in U. S. with firsts at both Ind. and Ohio, '38. L 3.50 M 2.25 S 1.25 Blts .35

*"At our show (S.A.G.S.) Tunia's Triumph with seven eight-inch blooms, perfectly placed, simply dwarfed such large varieties as Mrs. S. A. Errey and its magnetism held the public three and four deep throughout the show."* C. H., Torrens ville, S. A.

*"Tunia's Triumph is the largest glad I have ever grown, though I only managed 6 open."* E. J. F., Melbourne, Australia.

*"I had a Tunia's Triumph with first floret 8¾ inches across and 8 open."* Mr. Menzies (a prominent Victoria exhibitor)

*"Tunia's Triumph has already proved a wonderful parent. A number of its seedlings are very outstanding and are likely to create a sensation when released as you already know."* E. B., Adelaide, So. Australia.

*"We liked your Tunia's Triumph immensely. It is gorgeous, lovely."* 8-3-'38. Mrs. J.R.C., Hayward, Calif.

## RED

**COMMANDER KOEHL 88 \*\*\***††† Exh. Clear, rich, crimson red. Has been considered among the best ten glads for years in spite of a weak tendency in the stem. It is 4th in the N.E.G.S. symp. now, and tops its color section, though nosed out by Rewi Fallu in the C.G.S. We have record of 12 firsts among the shows we are reporting and grand champion at Calgary, all '38. L.06(100,4.00) Blts (100,.15)

**HINDENBURG'S MEMORY 90 \*\*\***—††† Exh. Com. Deep scarlet red, buds a velvet blood red. Deeper red than Red Phipps or Tip Top. Somewhat lighter than Com. Koehl. Holds 6-7 well expanded florets over 6 inches dia. on a strong, tall stem. Excellent placement and easily the best exhibition variety in the red section. This is Pfitzer's own wonderful improvement on Com. Koehl both in color, size and stem. A. M. Haarlem, '36. Only a matter of time and this will be in any list of "the ten best glads". L 6.00 S 2.00 Blts .60

**RED PHIPPS 93 \***—††† Exh. Pure, spectrum, red. Several shades lighter than Com. Koehl. Longer spikes than Mr. Phipps, not so many open and more loosely placed along the spike. Ideal cut flower habits. Blooms out slowly but perfectly when cut. Our 1sts A.G.S. and Ohio, '32. Champion bloom, Ill. at Century of Progress, '35. A.G.S., '33, '34 and (Am.) '35. Detroit and Iowa, '35. Auckland and N.E.G.S., '36. 1st and most buds and blooms A.G.S., Pa. (2 shows) Ia., Regina, all '37. Ind., E. Bay, Ames and Sioux City, '38. L.06(100,4.00) Blts (100,.15)

**SOUTHERN CROSS 80 \*\***—††† Exh. What a name and what a glad to conjure with! A new, bright red with a comet trail of Australian and New Zealand awards. Self color and perfect placement. Tall and strong. 8-10 open. Good cut flower habits, resisting punishment in the field far better than Com. Koehl. Auckland G.S. and A.G.S., '36. Ia. and Yakima, '37. M.05(100,3.00) S.02(100,1.20) Blts (100,.25;1000,1.50)

**TIP TOP 92 \*\*\***—††† Exh. Warm red to scarlet. As tall as Aflame, florets as large, but of the wide-open, flat type, 6-8 open on long, strong spikes. A.M., Haarlem, New Pfitzer variety we said was "going places." We assisted our own prediction, "breaking the ice" in America by entering 3 spikes at Ohio, '35. Our 1st beat over twenty other well grown entries including many of the other reds here listed. Grants Pass and East Bay, '36. The parade of blue ribbons has begun. (Am) N.E.G.S., Metro., Hamilton Dist., Peterboro Hort., Winnipeg, Ames (Ia.), and B.G.S., '37. E. Bay, Cedar Rapids, Sioux City, Regina, sectional champ, Wash., reserve champ, Winnipeg and our 1st Ohio, '38. Tops color section, C.G.S. L.10(100,7.00) Blts(100,1.00)



**WALK-OVER 80 \*\*\*—††† Exh. Com.** Glistening red, deeper than Tip Top. Huge, round florets, reminiscent of Mac but still bigger. Excellent spikes from the smaller sizes, unlike Tip Top. Excellent propagator. Excellent cut flower habits, as well. B.G.S., '36. Voted best medium-early glad, all colors and types, by Holland Bulb Growers Ass'n, '37. L 2.00 M 1.20 S .60 Blts .20

**WHERO 98 \*\*—††† Exh.** Rich, glossy scarlet red, with darker flecks at outer edges. Immense spikes with 8-12 wide open florets, sometimes deserving three stars for size. Excellent substance. Good propagator. Champion seedling at Normandy and Wanganui, N. Z., '33. 1st, Auckland G.S., '36. If you like Commander Koehl or Bill Sowden, you will like Whero better. L.20 M.15 Blts (100,1.50)

## DARK RED

**BLACK OPAL 92 \*—†††† Exh.** Deep maroon, somewhat marbled. Makes tall, symmetrical exhibition spikes, 10 open, 22 buds. Good bloomer from the smaller sizes. L 1.50 M 1.00 S .50 Blts .10

**MOORISH KING \*\*—†† Exh.** Impressive, long spike, carrying immense, glossy, mahogany maroon florets. Lighter than Morocco but completely eclipsing it in size. Scarce because slow propagator. Blts germinate very unsatisfactorily. A.M., Haarlem and B.G.S. Two 1sts A.G.S., '34. (Am.) N.E.G.S. and our 1st Ohio, '35. Peterboro Hort. and Ia., '37. E.S.G.S. and 3 Ia. shows, '38. L.10(100,-8.00)

**MOROCCO 88\*—†† Dec.** Deep maroon, almost black. Not dull. Florets open well. Strong spikes of good height. East Bay and our 1st, A.G.S., '36. (Am) N.E.G.S., Pa., Ohio, Ia. and Minn, all '37. E. Bay, Sioux City, Ames, our 1st at both Ind. and Ohio, '38. L.06(100,4.00) Blts (100,.20)

**OEGANDA 98 —† Dec.** Black red, almost a solid black color with silky gloss, without markings or blotches. We have bloomed this from L bulbs three years and it is certainly the blackest glad we have yet seen. Florets run 3-4 inches dia., 4-6 open, 10-13 bud, 3-3½ ft. tall, on strong, slender stems. Supply very limited. A.M., R. Hort. S., F.C.C., Haarlem, '35. We started the ball rolling in America with a 1st at Ind., '38. L.40 M.25 S.15 Blts .05

**REWI FALLU 98 \*\*\*—††† Exh.** A deep, blood red of very large size, opening 8-10 florets in the field on vigorous plants 5½ to 6 ft. tall. Blooms from blts. frequently. Bloom from the first bulb was champion seedling at So. Australia G.S., '32. We do not hesitate to render opinion that this variety will be sensationally publicized by all who see it. Good propagator.

The above is what we said a year ago but things have happened since that. It has jumped to the top of the C.G.S. symposium, even ahead of the redoubtable Picardy and, of course, tops its color section there. We are not prepared to admit that this is the world's greatest variety. Time will bring some of the newer ones to the front. But right now you must obtain some stock of this. Cedar Rapids and Yakima, '38. L.40 M.20 S.10 Blts .04

*"I got a No. 1 large bulb and 90 bulblets from the Rewi Fallu bulblet I bought from you and a No. 1 large bulb and 65 bulblets from the Shirley Temple bulblet. Fallu bloomed from bulblet but Shirley did not." 11-29-'37. R. J. G., Racine, Wis.*

## SMOKY, ETC.

**BAGDAD 98 \*\*\*—†† Exh.** Smoky, old rose, darker to edge, throat lighter with a bit of cream, 5-6 ft. tall, straight spikes. Florets 6-7 inches. 5-7 open, loosely spaced, making immense flowerheads. 7th in N.E.G.S. and 11th in C.G.S. symposiums and tops the popular smoky section in both. Record slate washed for a fresh start-Ames, Cedar Rapids, N.E.G.S. C.G.S., E. Bay, Mich., Pa., sectional champ E.S.G.S., and grand champ at Yakima, all '38. L.06(100,4.00) Blts(100,.15)

**DOROTHY DOW 102 \*\*—†††† Exh.** Color is a smooth mixture of old rose and deep orange with a gray overtone. Florets about size and shape as Picardy, stem shorter but several more open with long flowerheads. Good propagator. Prices now within reach. The bulbs present a very unusual range of color from yellow to strong red or red mottled or striped along husk cleavage line with yellow. We have had several inquiries wondering if this color variation had anything to do with thrips feeding areas, so we wish to explain. Sioux City, '38. L.10(100,8.00) M.07(100,5.00) S.04(100,3.00) Blts (100,.50; M,3.00)

*"The bulbs arrived Saturday and are all planted. They were all you say and more. I grow about 4000 bulbs and have bought new stocks this year from nine other well known growers. I thought some of them sent me some very good stock until I saw yours. You may rest assured that next year I'll buy all my bulbs from you as far as you have the varieties." 4-19-'37. R. C. H., Chicago, Ill.*

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.





**MARMORA 98 \*\***— †††† Exh. Long spike of lavender, gray, pale purple blotch. The world's most famous sport (of Emile Aubrun). Used to win frequently for best smoky, largest floret and most florets open. Still hard to beat. Starting show records anew—Ames, Regina, Ohio, '38. Now No. 11 in N.E.G.S. symposium. Takes a heavy bulb for good show specimens. L.06(100,4.00) Blts (100,.15)

**MOTHER MACHREE 100 \*\***—†††† Exh. Salmon Orange. Silver gray. Sunset colors of high lustre and sheen. Consistent producer of long, straight, stunning spikes. Not much difference in the show records past five years, between Mother Machree, Bagdad and Marmora. Whichever specimen was grown the best usually won. Starting afresh—Cedar Rapids, Sioux City, Mah., Conn., open div. champ E.S.G.S., and our 1sts both Ind. and Ohio, all '38. 8th in N.E.G.S. symposium. L.06(100,4.00) Blts(100,.15)

**OKARINA 90 \***— ††† Exh. An orchid lavender with smoky overcast. Makes good, stretchy spikes. A.M. Haarlem. B.G.S. '35 and '37. L .30 M .20 S .15 Blts(100,-2.50)

**OUR SELECTION 98 \***—†††† Exh. Salmon red, flaked slate, cerise blotch on cream. A flowerhead even longer than Mother Machree but stem not so long. Florets evenly placed in double row, 10-16 open. A very trustworthy performer. Champion spike Winnipeg, '31. Most open (18) No. Dak., '32. N.E.G.S., '32. Champion bloom Ballarat, '32, and Malvern (Australia), '35. Wash., '35. (Am.) N.E.G.S., '36 and '37. C.G.S., '36. Yakima, Winnipeg and all 4 shows Ia., including Grand Champion at the Cedar Rapids show, '37. E.S.G.S. and Conn., '38. L.06(100,-4.00) Blts (100,.15)

**VAGABOND PRINCE 97 \***—††† Exh. Irrescent, garnet brown, lighter in upper throat, small flame scarlet blotch below. 8-10 open. The color combination is very attractive, as well as unusual. If you like striking, novelty color combinations, we suggest you waste no time acquiring this one. The only "A" rated glad in the "Any Other Color" section, C.G.S. Symposium. Most schedules combine this with "smoky". We had spikes from small bulbs comparable with those from Peggy Lou (4-5 ft.) A marvelous performer. Ind., E.S.G.S., N.E.G.S., Md., Ames, Sioux City, Mich. and A. M. at E. Bay, all '38. L.20 M.15(100,-10.00) S.10(100,6.50) Blts(100,1.00)

**WINALL (E. Both) 98 \*\***— †††† Exh. Com. Bluish, medium mauve violet with harmonizing deeper blotch. Tall, exhibition spikes with 8-00 open, 18-20 bud. Very unusual color. Reminiscent of Marmora but deeper, and likely, better color. Powerful grower, good propagator, does not bloom well from small bulbs but otherwise has good cut flower characteristics. A promising new release but as yet unshown. L 2.00 M 1.00 S .50 Blts .20

**ZUNI 92 \***— ††† Exh. Salmon and slate with some light orange salmon feathering. Will fade slightly if opened in strong sunlight. Ruffled. 10-12 open with good placement. Vigorous grower. Blooms well from smaller sizes, fast propagator and bulblets perform exceptionally well. New. A.M., Md. G.S. Trial Grounds, '37. Grand Champion, Grants Pass, '38. L 1.20 M .60 S .30 Blts .08

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"I cannot say how pleased we were and how much I thank you for the attention given our order of last year, or for the type of bulb sent us and the extras were all a pleasant surprise. I have never seen any better bulbs than those you sent us and that is why we are increasing our order this year." 3-2-'37. E. A. P., Montreal, P. Q.

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"Your description of the varieties you offer is very interesting. But your catalog space is so overfilled with non-essentials that to study the varieties makes it a laborious proposition instead of delightfully educating. Your dissertation on insecticides is to me disgusting. We sell gladiolus and let the buyer buy and use insecticides to his heart's content. It is none of our business how he grows the glad bulbs. We sell the ignorant." 1-22-'38. (We omit the initials and state.)



## LEAD YOUR FRIENDS AND NEIGHBORS — HOW TO DO IT

Simple as can be. Inexpensive, too. Plant healthy, young bulbs of the large size of varieties currently winning first prizes in the major shows of the world. Soil prepared in the fall with heavy applications of well rotted cow manure and bone meal is excellent. Avoid horse manure in any season. Plant in the sunniest location possible. Shelter from strong winds is desirable. Preferably in a group planting by themselves.

Do not make them compete with other roots of trees, shrubs or weeds. Cultivate often and close, keeping surface loose. If the garden plot was not fertilized the previous fall with a slow acting fertilizer apply none whatever until plants are six to eight inches high. Use then and every few weeks thereafter until blooming, if you wish, any quick acting fertilizer with approximately "4-12-4" per cent of content of nitrogen, phosphate and potash, respectively. Sprinkle it sparingly (a handful to 25 or more bulbs), several inches away from the plants. Scratch it in and soak to saturation. If you wish, when the buds first emerge from the foliage, substitute a few similar dressings of dried blood or a single similar dressing of ammonium sulphate. Soak the ground heavily the day before so that the plant will be saturated and in strong growing condition, thus withstanding a shock which might otherwise burn off the rootlets, turn the foliage yellow and stop further growth.

Particularly in hot weather, spikes which are cut when but one or two florets are open, fill out with more open at a time when bloomed indoors in the light but not sunlight, away from any breeze, making better exhibition spikes and preventing any fading of color such as is sometimes found in some of the finest orange scarlets, as well as preventing wilting of varieties without strong substance. Cut stem slantwise to provide larger drinking area and place in water at once to avoid air pockets in stem. Allow three or four leaves to remain on the plant to mature the new bulb which is hardly half grown when spike is cut. At least six more weeks are needed to mature the bulb, except where blooms are from large bulbs of very late sorts, or where blooms arrive at late season from young planting stock.

### DON'TS ON DIGGING

Do not leave part of stem on bulb, cut close and burn the tops.

Do not leave bulbs to dry where frosts can reach.

Do not pile deeply. Quick drying (not in hot sunlight) is extremely important to prevent spread of diseases in storage.

Do not remove roots and old bulb for some weeks unless old bulb is soft or shows decay. Wait until they separate with ease and without tearing the new root base. This waiting period is the most desirable time for sprinkling your bulbs lightly with naphthalene flakes. See paragraph on that subject.

## INSECT PESTS AND BULB DISEASES

This subject, fortunately, has again become relatively unimportant to the well informed, who have learned that simple, preventive measures are better than complicated and sometimes ineffective curative measures.

Likely, your bulbs are clean and need none of these treatments, but we are presenting this information for those who may need it.

Inspect your bulbs before planting. If doubtful looking, remove entire husk, though the husk does function to ward off from the planted bulb frost, fungus diseases, grubs and wire worms.

We proceed with our subject under sub titles.

### FUSARIUM YELLOWS FUNGUS DISEASE

We discuss this subject because so many buyers of planting stocks (and blooming sizes) order in stocks from different localities, basing their purchases largely on attractive price. When such price has been made possible by neglect of proper field rotation and lack of scientific bulb treatments, such intensive culture often results in your receiving bulbs which develop a core rot as the storage season progresses. If you do not discover this eating away of the bulb tissue where the roots must emerge, if at all, and plant this fungus infected bulb, the stem of the plant will wither, tips of leaves begin to turn yellow and die back. Progressively, the entire plant is affected and eventually dies. Unless this plant and the surrounding soil is removed, the fungus will rapidly spread in the soil. The following year this location will be unsafe either for your or our sound bulbs.

In certain areas of intensive gladiolus cultivation this subject is so serious that, eventually, a mass exodus from the locality may be the only solution. Very fortunately, Ohio growers, as yet, have little or no experience with the disease.

Not so serious are various types of scab and dry rot that only produce localized lesions on the bulb, which can be gouged out, or the organisms that cause these can be starved out by rotation of planting location or the corrosive sublimate treatment.



Unlike these surface lesions, *Fusarium* invades the root system, causes a browning of the core, sometimes with brown strands or streaks of discolored tissue extending from core to leaf bases. Replanting these bulbs to a new site results in further spread of the disease and ultimate rotting of the bulb. Such bulbs should be burned, not planted. If an expensive bulb seems slightly affected and a desperate measure is sought to preserve its life you might try dipping the bulb for a moment in a suspension of calomel or yellow oxide of mercury, formula 1 oz. of either material to 5 pints of water. Drain bulb and plant immediately.

Our bulbs are individually examined for the slightest sign of this disease and are destroyed on merest suspicion, since we feel it is better to be safe than sorry.

### BULB SURGERY

A few specks of disease spots, wire worm injury or scab may be gouged out without the slightest harm to the plant provided the bulb retains a good eye and root base. Cutting out these segments only cuts away that much food to start off the new plant. Best dust the cut surface with powdered charcoal. Next best common sulphur or at least dry until bleeding stops before planting.

Or wipe the cut surface dry with some paper towelling and then paint well with melted paraffin.

You may do these things any time during the storage period, too, or just rely on corrosive sublimate treatment to clear them up.

A plump bulb of  $1\frac{1}{4}$  inches diameter has plenty food to start production of a show specimen spike. If the bulb is 2 inches or more in diameter it may have two or more prominent eyes or sprouts, indicating that it will make as many stalks and spikes. Now this one bulb cannot be expected to make two or more spikes of the same show specimen quality it would produce if held to a single eye and spike. If you want to bring renewed youth and vigor to your old jumbo bulbs and beat the other fellow, just disbud the bulb, i.e., gouge out all eyes except the most prominent one, just as you gouged out the little specks of scab or disease, dusting as before.

We are of opinion that bulbs may be lost by this process only by failure to heal the cut surface sufficiently before planting.

### EXAMINE YOUR BULBS

If your bulb is not bright and clean looking, something has gone wrong. It is easy to soak them the night before planting in the simply prepared, inexpensive corrosive sublimate solution, a sort of "cure all" for bulb diseases as well as thrips prevention, and not to do so may easily be disastrous. This treatment is almost universally adopted now by amateurs and growers alike.

Thrips do not winter over outdoors in the Northern states but they are often brought into the storage quarters with the bulbs. If the bulb has irregular areas of russet brown, often confined to one or more areas walled apart at adhesion line of the layers of husk, with the surface somewhat roughened, it is likely some thrips have been feeding on the bulb juices and if the surface is sticky, likely they are still there and alive. If not sticky, likely the temperature has been below 50 degrees long enough to kill the insect but not the eggs. The corrosive sublimate will kill both insect and eggs.

The use of the well known naphthalene treatment a short time after digging kills any of these thrips that may have been brought in promptly and the bulb has a better chance to survive the storage period and remain a bulb still fit to plant.

### NAPHTHALENE FLAKES

We highly recommend this simple and economical treatment. If you allow thrips to feed upon your bulbs they will suck the juices, injure the eyes and rootlets and growth will be retarded and inferior flowers produced, even if you eventually kill them off at planting time by some treatment. Avoid crude naphthalene or camphor or paradichlorobenzene as they may contain creosote or other injurious chemicals. The best time to use it as soon as the roots are considered too dry to suck any naphthalene into the bulb. Maybe a matter of hours or a few days, depending on drying methods. Do not apply to bulbs from which the old bulb has just been removed, as the severed area is moist for a while and the naphthalene might soak into the bulb. It is safe both to the user and to the bulbs, during their **dormant** period of storage, even when an overdosage is used, provided the bulbs are fairly well dried. One ounce (4 level tablespoons) sprinkled on each 100 large bulbs or equivalent in bulk of smaller sizes, is sufficient if bulbs are stored in closed bottom container. If screen bottom or in onion sacks, double the amount. Will kill insects promptly and gases will continue for several weeks, killing the larvae as soon as hatched. Allow to remain at least 3 weeks. But note they will not hatch under 50 degrees. Do not completely cover the bulbs as evaporation takes place constantly and to prevent it will make the bulbs first damp, then mouldy, then susceptible to rot and diseases. Applying the flakes in a closed paper bag is safe for a few weeks if bulbs be dry, since some moisture can escape. Avoid wax or oil paper bags since moisture could not escape. If roots and old bulbs are removed several weeks after application, any naphthalene remaining may be removed. If the flakes have not entirely evaporated by the time little root knobs and eye sprouts emerge, showing bulb is no longer dormant, shake out any remaining. Do not use any naphthalene in the trench at planting time since it is safe only to the dormant bulb.



## CORROSIVE SUBLIMATE

Also known as mercuric chloride treatment. **This produces such wonderful results, with so little effort, with so little cost, that no one, whether he grows a bed of glads four foot square or four acres, should fail to so treat his bulbs.** Regardless of where or how the bulbs grew the preceding year. This gives the bulb a coating that wards off various bulb diseases and fungus attacks. We used to keep our bulbs healthy by this process long before we ever heard of thrips. Now, it has been conclusively proved, this treatment also kills any thrips and their eggs, and, if used, you only need keep a watchful eye for thrips infestation from outside sources. Remember soaking processes are only advisable just before planting. This is not a fall treatment. If your bulbs are husked, they need only be soaked half as long, but we do not advise husking unless you know your bulbs are infested badly and you wish to take no chances on penetration to the bulb. Many have inquired if the treatment is safe to use on badly sprouted or rooted bulbs. This will not harm them.

We read an article in a Canadian "quarterly" by someone who called himself "I Dip-pem," who said he had a lot of little batches. To keep them separate he obtained some of the women folks' old stockings, slipped a batch into a toe with wooden label, tied the stocking above the batch and so proceeded until all the batches were conveniently ready to soak, remove and drain.

**Note Important Revision** of formula by U. S. Dept. Ent. to allow additional time for penetration of stubbornly tight husks.

Dissolve 1 oz. of the powder first in a bit of hot water, then pour into 7 gal. of water, preferably above 60 degrees. Remember, cold water may render the treatment ineffective. This must be poured into a non-metal container, such as a crock, wooden pail, glass or unchipped granite ware. Varieties kept separate in cloth bags. No difference if bulbs are then planted wet or dry, but the sooner the better as much of the coating may be lost if bulbs become dry. Solution weakens with use, so replenish 100% if used again. Soak 12 to 17 hours, preferably night before planting. Be sure bags are fully immersed. Do not use this substance in tablet form unless you learn exactly how much of the tablet, in weight, is actually corrosive sublimate. You want a final solution of about 1-1000. This solution is safe to the hands but is a deadly poison and must be used and disposed of with extreme care.

Our bulbs get the naphthalene treatment a week or two after digging, the Ethylene gassing late January and the unsold bulbs get the corrosive sublimate before planting. Advertising "treated" bulbs means little unless you know the method used and when last used.

*"In regard to coating metal containers for treating bulbs with corrosive sublimate, we would suggest a rubber base paint such as is used by mirror manufacturers to paint the back of mirrors. Asphalt paint commonly contains sufficient creosote to make injury to the bulbs a possibility." 4-12-'37. Sidney L. Dryfoos, (Fertilizer Expert), Dartmoor Rd, Cleveland Hts., O.*

## INSECTICIDES

If thrips appear on your plants they must be controlled before the bud spikes emerge from the foliage. Watch for any silvery gray streaks on the foliage. If permitted to increase unmolested they will extract juices from the buds resulting in a burned appearance, they will eat streaks of color off the petals even before they unfold and if they unfold at all, the petals may crimp up their edges and dry to a dull brown. Even the young, lemon colored thrips may do this damage to the bud so it is important to kill such adult thrips as may arrive before they lay eggs, also because the young have the bad habit of staying inside the bud and crevices of the plant where they are hard to reach with insecticides. The silvery gray (feeding) streaks on the foliage, in badly infested cases, turn brown, stopping both plant and bulb growth.

In our opinion, thrips come more into the open during the hours of 4-6 P.M., so spraying is most effective if done at that time. Also, the less heat the safer for the plants and evaporation is retarded. If plants are thirsty when spray is applied, spraying hazards are increased. Plants should be well watered but the foliage should be dry before the spray is applied. Spraying but one part of the patch only is inadvisable on account of the migratory habits of the insect.

Plainly we want an insecticide that will not burn the plants and that will act as a "double action" insect poison effective on both sucking and leaf eating forms of insects. **Rotenone** in proper concentration, with a spreader that will not deteriorate the ingredients, is both inexpensive and more effective than any other formula that has come to our attention. Above all, we beg our readers not to put off inspecting the plants for thrips infestation until blooms appear. If they already have a good foothold at that time you may have a very discouraging task on your hands.

We recommend **preventive** spraying, using a somewhat lighter concentration than advised for serious infestations. Either about once every 10 days after plants are up 6 or 8 inches until blooming, or else about 4 sprayings about 4 days apart beginning about 20 days before blooming, i.e., about when the bud spikes begin to fatten the stalk. If an infestation is actually present, use full strength concentration. In any event, have your insecticide on hand to use if needed.



## ROTOTOX

The Penetrol spray made with Rotenone, containing also Acetone and Ethylene Dichloride, in fact a full 90% of active ingredients.

We have been investigating the value of the new insecticide called "Rototox" with a view to its substitution for all home-made, assembled formulas, as a complete spray in itself for all general purposes and for gladiolus in particular. The results are almost too amazing to be readily believed. Let doubters try it and be convinced. We have numerous reports that its use has been highly satisfactory. Perhaps you have already seen the article by Dr. Roark, of the Dept. of Agriculture, who considers Rotenone (derived from derris or cube root) one of the most effective insecticides available, being fifteen times as effective as nicotine and thirty times as effective as arsenate of lead.

Rototox, while so deadly to insects, is non-poisonous and perfectly harmless to humans, animals and plants and fruit and vegetables sprayed with Rototox may be eaten with perfect safety within 24 hrs. after spraying. The Rotenone acts as a stomach poison to insects as long as it remains on the plant, in addition to being a contact insecticide. Penetrol (oxidized petroleum hydrocarbon, sulfonated) is a carrier, spreader and activator. It is neither acid nor alkaline nor caustic, so the rotenone is held in perfect suspension, without precipitation or disintegration, thus making no disfiguring sediment to mar or injure the most delicate foliage or petals. Therefore, no need of segregating early and late varieties. It causes the formula to emulsify as readily and completely in cold, hard water as in warm, soft water.

It does not have to be kept agitated and it cannot clog the spray nozzle. These are the reasons why Penetrol is known as the best spreader for carrying the formula into the crevices of the plant, an extremely desirable feature for the control of thrips.

Rototox contains Ethylene dichloride, which has for many years been used by many large growers for gassing their bulbs in storage quarters. This ingredient is valuable because it reaches many insects not contacted and portions of the plant not fully covered by the spray.

At Century of Progress grounds, 1934, there was planted four large plots of beds of gladiolus by about 20 growers. (We participated). Laid end to end there were 6 miles of rows of gladiolus. Rototox was used preventively on all these beds with very satisfactory results.

Rototox has already become popular for greenhouse use and is cheap enough for use on large acreages of gladiolus, dahlias, perennials, evergreens, truck crops, etc.

The Rototox Co. has an excellent 20 page booklet containing much valuable insecticide information for all branches of horticulture. Free on request to them.

We do not stock Rototox. You can get what you need promptly (much quicker than by asking us to relay your order), postage prepaid, from

The Rototox Co.,  
81 East Yale St.,  
East Williston, N. Y.

Their prepaid prices (no doubt subject to change) are: 1 oz., 35c; 8 oz., \$1.00; 1 pint, \$1.75; 1 quart, \$3.00; ½ gal., \$5.00; 1 gal., \$10.00; 5 gal. \$45.00.

At the strong concentration for bad infestations, 1-200, 1 gal. will make 192 gallons of spray. At suggested preventive concentration, 1-400, 1 gal. will make 384 gallons of spray. (About 5c or 2½c per gal., depending on concentration needed.)

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*"Used Rototox on about 1500 glads, 400 dahlias and 2000 asters once a week at 1-800. Perfect results on the glads and almost the same on the other plants, controlling thrips, grasshoppers, aster beetles and leaf hoppers alike."* 11-10-'37. H. E. C., Oronoque, Conn.

*"Rototox was just fine. About one fourth acre of glads badly infested before I knew it. Used 1-200 dilution, sprayed four times. In the spring of '37 I soaked all the bulbs with Rototox for about 24 hours. We got about 98% control and had the cleanest crop of bulbs I ever had."* 11-1-'37. M. B. Y., Greenwood, Delaware

*"I have been fighting thrips and other insects on my roses for years. I have secured better control with ROTOTOX than with a dozen other insecticides. I spray 1-200 twice, 24 hours, apart. No more thrips until more are blown in. This may be 3 days or as many weeks."*

*"I have no objection to your quoting me. You have a product that is very good. I would be glad for others to receive the benefit from it."* 11-23-'37. Mr. Clapp, State of Texas Park Board.

*"My 185 cyclamen plants were badly attacked with the Cyclamen mites, as usual. I used ROTOTOX with excellent, most gratifying results."* 6-23-'37. Thos. A. Inch, Hartford, Conn.

*"Used Rototox on 1200 gladiolus. Obtained 100% control."* 9-6-'37. J. E., Hammond, Ind.

*"I used ROTOTOX on about 10,000 gladiolus as a means of getting rid of thrips. It proves very successful in this. In fact, I will consider it the equal if not the superior of any other treatment we have ever used for that purpose. Found it effective also against silver fish and cock roaches, also as a fly and mosquito killer. I have taken occasion to recommend Rototox through my newspaper syndicate and have recommended it perhaps a dozen times before various garden clubs where I have lectured. Will use as dip when bulbs are dug."* 9-29-'37. (Dr.) Floyd Bralliar, Dean Nashville Agricultural Normal Institute.  
Madison, College, Tenn.

*"Wonderful results using Rototox on about 3500 glads. Sprayed regularly every 2 weeks. Complete control and had the best glads have grown to date."* 11-4-'37. R. B. H., Winnipeg, Man.

*"Rototox was great. 100% control on 1500 glads and I found it far better than nicotine on Nasturtium for aphids."* 10-3-'37. A. H. D., Ferndale, Mich.

*"Used Rototox 1-400 on about 20,000 glads, every 10 days. Results very satisfactory. Used on lilies and roses, same results."* 9-1-'37. Mrs. R. C. C., New Castle, Pa.



# GLADIOLUS SOCIETIES

There are now upwards of forty state and regional societies in the U. S. and eight provincial or regional societies affiliated with the Canadian Gladiolus Society. Several each in Australia and New Zealand. National societies in England, Holland, Belgium and Germany. Upon request we will assist you to contact your nearest society. All have Prize Schedules and Annual Exhibitions. You may make checks, drafts or Postal Money Orders payable to any society below mentioned, amounts as indicated and we will transmit same to the secretary of the society selected.

In the U. S. the New England Gladiolus Society is the outstanding society with respect to publications. "Regular" membership, \$1., entitles you to the 250 page Annual. "Supplement" membership, \$2., entitles you further to the three 40 page supplements published April, July and October. "Affiliate" membership, still at \$2. entitles you not only to the Annual and the 3 Supplements, but also to full membership in any one of the following affiliate societies: **Conn., East Bay (Calif.), Ill., Ind., Md., Mid-South (Tenn. and surrounding), Minn., Ohio State, Pa., Wellsville (Ohio), Winnipeg (Man.).** Via the **Metro (N. Y. City)** we understand it is \$3. to amateur and \$6 to grower members. We advise this \$2. affiliate State to N.E.G.S. type of membership for all residents of the areas mentioned. The '39 Annual will contain interesting articles on bud formation, with high power magnification photos; Drawings on bulblet stages of growth underground; Popular vote Symposium; Show reports; Culture, hybridizing, etc. Note that affiliate membership via the Ind. and Mich. societies entitles further to the respective state Quarterly Bulletins.

The Canadian Gladiolus Society publishes an Annual of about 200 pages. This society conducts a Symposium and Rating of about 600 of the foremost gladiolus varieties of today, classifying them into 21 color groups, rating them skillfully within their respective color groups. This feature alone is sufficient to make their publication outstandingly valuable. Affiliated societies are **Province of Quebec, Hamilton (Ont.), Regina (Sask.), Winnipeg (Man.), Calgary (Alta.), Saskatoon (Sask.), Edmonton (Alta.) and Truro (N. S.).**

**New England Gladiolus Society, \$1.** (Annual). Albin K. Parker, Sec'y., Norwood, Mass. "Supplement" membership (annual and supplements), \$2. "Affiliate" membership, (annual, supplements and the state publications), also \$2., should be paid to the sec'y of the affiliate society.

**Canadian Gladiolus Society, \$2.** (Annual.) Mrs. J. A. Carleton, Sec'y., 166 Willow Rd., Guelph, Ontario, Canada. Write to Mrs. Carleton for information concerning their affiliated societies.

**British Gladiolus Society,** Grower membership, 10/6 or \$2.63; Amateur membership, 5/- or \$1.25. (Annual). A. E. Blake Amos, Sec'y., 109 Lexden Straight Rd., Colchester, Essex, England.

**Ohio State Gladiolus Society, \$1.** (Occasional Bulletins). R. P. Kelley, Sec'y., 207 Buckeye Bldg., Akron, Ohio.

**Indiana Gladiolus Society, \$1.** (Quarterly Bulletin). John L. Coomler, Sec'y., P. O. Box 594, Indianapolis, Ind.

**Iowa Gladiolus Society, \$1.** (Monthly Bulletin). This membership may be direct or through affiliation with either the Sioux City, Ames, Cedar Rapids or Algona Gladiolus Societies, without additional cost. Address Iowa Glad. Soc., Secretary's Office, State House, Des Moines, Ia.

**Michigan Gladiolus Society, \$1.** (Quarterly Bulletin). W. Jay Dittman, Sec'y, 16721 Kentfield Ave., Detroit, Mich.

## FREE BULBS

Here is how. This offer is only to secure new members, not renewals and cuts your membership fee in half, as you will readily see.

To all customers sending in Retail orders of not less than \$5. If you will also transmit to us your check or money order made out to any of the above societies, in the full amount for one year new membership fee, we will transmit same to such society and you may add to your order bulbs of your own selection from our catalog (at list prices, no further discounts) to the amount of one half of such membership fee.

Illustration: Indiana customer sends in \$5. or larger retail order and selects the \$2. combination Ind. G.S.—N.E.G.S. member-

ship. He encloses to us his \$2. made payable to the Ind. society. He selects and adds to his order \$1. worth (list prices) of bulbs, without charge. We do the rest.

## FREE MEMBERSHIPS

To all customers, including foreign, whose purchases at Retail total \$25 or more, provided such customer is not already a member, we will give a paid-up one year membership in the Canadian Gladiolus Society, the New England Gladiolus Society or any other membership or combination membership above described that will not cost us more than \$2. cash.

This page is not a gesture. It has been costing us in the neighborhood of \$200.00 in cash and bulbs for many years.





TROPHIES WON 1938



MEDALS WON 1938